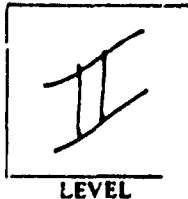


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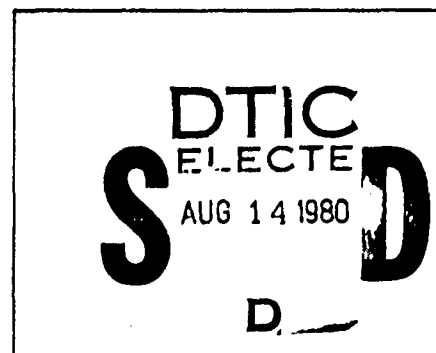
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DATA PROCESSING DIVISION  
USAFETAC  
Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

WIESBADEN AB GERMANY WBAN# 35010  
N 50 03 E 008 20 ELEV 470 FT. EDAW WMO# 10633

PARTS A-F

PER FROM HOURLY OBS MAR 46-DEC 70  
PER FROM DAILY OBS MAR 46-DEC 70

AUG 16 1972

FEDERAL BUILDING  
ASHEVILLE, N. C.

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1 REPORT NUMBER USAFETAC/DS-80/59	2 GOVT ACCESSION NO.	3 RECIPIENT'S CATALOG NUMBER															
4 TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)-Weisbaden AB, Germany		5 TYPE OF REPORT & PERIOD COVERED Final rept.															
		6 PERFORMING ORG. REPORT NUMBER															
7 AUTHOR(s)		8 CONTRACT OR GRANT NUMBER(s)															
9 PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		10 PROGRAM ELEMENT PROJECT TASK AREA & WORK UNIT NUMBERS															
11 CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		12 REPORT DATE 16 Aug 72															
		13 NUMBER OF PAGES															
14 MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15 SECURITY CLASS. of this report UNCLASSIFIED															
		15a DECLASSIFICATION DOWNGRADING SCHEDULE															
16 DISTRIBUTION STATEMENT (of this Report)  Approved for public release; distribution unlimited.																	
17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Weisbaden AB, Germany It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

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19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\*Germany

\*\*Weisbaden AB, Germany

20. and dew point temperatures and relative humidity); and (f) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurring tables.

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

DATA PROCESSING DIVISION  
USAFETAC OL-1  
AIR WEATHER SERVICE (WAC)

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION ID	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT)	SCALE	WIND NAME
35010	WEISBADEN AB GERMANY	N 50 03	E 008 20	470	EDAW	10635

STATION LOCATION AND INSTRUMENTATION HISTORY									
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE SEA LEVEL		DRE PER DAY
			FROM	TO			STATION (FT)	BAROMETER	
1	Weisbaden AAB Germany	AAB	Mar 46	May 47	N 50 03	W 008 20	476	468 ft.	24
2	Same	Same	Jun 47	Mar 53	Same	Same	Same	456 ft.	24
3	Same	AB	Apr 53	Feb 55	Same	Same	470	Same	24
4	Same	Same	Mar 55	Feb 57	Same	Same	468	468 ft.	24
5	Same	Same	Mar 57	Feb 62	Same	Same	468	482 ft.	24
6	Same	Same	Mar 62	Dec 70	Same	Same	470	482 ft.	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Mar 46 to Aug 48	Located on 2nd floor E end of operations bldg.	Anemometer	N/A	60 ft.	
2	Sep 48 to Mar 53	Not available.	Same	N/A	N/A	
3	Apr 53 to Mar 54	Located on roof of base operations bldg.	AN/GM-1	None	41 ft.	
4	Apr 54 to Feb 55	Same	Same	None	Same	
5	Mar 55 to Feb 57	Same	Same	ML204B	22 ft.	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
6	Mar 57 to Feb 59	Same	Same	Same	34 ft.	
7	Mar 59 to Feb 62	Same	Same	Same	50 ft.	
8	Mar 62 to Feb 65	Located 300 yds N. of Rwy 26.	AN/GHQ-1	RO-2	13 ft.	
9	Mar 65 to Feb 69	Located 500 ft N of centerline, and 1042 ft from end of rwy 26.	Same	Same	Same	
10	Mar 69 to Dec 70	1. Same 2. Located 535 ft S of centerline, and 630 ft from end of rwy 08.	Same Same	Same	Same Same	

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

A

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

35010 IESPADEN AB GERMANY

46-70

ALL

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL		11.7	.7	8.0		20.0	29.3	38.5	.0		62.8	17351
FEB		.0	10.0	.1	8.0	.0	17.7	23.2	38.8			58.6	16269
MAR		.0	9.6	.0	3.0		12.3	11.3	40.6			49.3	18593
APR		.2	11.5		.4	.0	11.8	5.2	23.9			29.2	17986
MAY		.8	9.8		.0	.0	9.9	4.5	15.6			21.9	18597
JUN		1.0	9.0			.0	9.0	6.5	19.4		.0	24.0	17993
JUL		1.1	7.6			.0	7.6	5.8	20.5			24.6	18570
AUG		.9	8.7			.0	8.7	8.3	20.2			26.5	18462
SEP		.3	8.4				8.4	16.2	29.5			41.9	17726
OCT		.0	10.0		.1		10.0	29.0	36.3			59.1	18574
NOV		.0	14.5	.1	2.3		16.4	32.0	37.2		.0	62.6	17967
DEC			13.4	.7	6.8	.0	20.3	36.3	36.1	.0		67.2	16597
TOTALS		.4	10.4	.1	2.4	.0	12.7	17.3	30.1	.0	.0	44.1	217185



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/ETAC

# WEATHER CONDITIONS

35010 IESGADEL AB GERMANY  
STATION STATION NAME

47-70  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	00-02		11.0	.9	6.5		16.0	28.8	33.5	.0		37.4	2230
	03-05		11.4	1.2	5.3		20.1	32.5	30.0			57.0	2232
	06-08		12.9	1.0	10.1		23.5	34.1	32.5			62.2	2232
	09-11		11.7	.5	9.8		21.8	35.2	41.8	.0		71.0	2231
	12-14		11.2	.4	8.8		19.6	27.4	45.6			68.4	2232
	15-17		11.2	.2	7.2		18.0	24.8	44.4			64.2	2232
	18-20		12.4	.7	7.5		20.2	24.8	42.5	.0		62.9	2231
	21-23		11.8	.9	6.1		18.4	26.4	37.6			59.3	2231
TOTALS			11.7	.7	6.0		20.0	29.3	38.5	.0		62.5	17851

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

35010

VIESWADEN AB GERMANY

47-70

FEB

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		10,9	.0	8,4		18,6	24,2	34,3			55,4	2034
	03-05		9,9	.2	7,8		17,4	28,6	31,4			55,9	2034
	06-08		10,3	.3	8,1		18,0	32,7	34,1			61,2	2034
	09-11		9,4	.3	10,3		19,3	30,5	43,5			67,7	2034
	12-14		9,4	.2	7,9		17,2	20,0	44,3			60,4	2033
	15-17	.0	10,5	.0	6,7	.0	17,0	14,8	42,4			55,0	2032
	18-20		10,3	.0	6,9		16,9	17,4	42,2			57,7	2034
	21-23		9,6		7,5		16,8	19,6	38,3			55,7	2034
TOTALS		.0	10,0	.1	8,0	.0	17,7	23,5	38,8			58,6	16269

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

35010

WIESBADEN AB GERMANY

46-70

MAR

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-02		9,1		2,5		11,4	10,8	34,7			43,2	2322
	03-05		9,7		3,5		12,9	15,9	35,3			47,5	2325
	06-08		10,3	,0	4,2		14,2	23,0	43,4			59,6	2324
	09-11		9,5	,1	3,7		13,2	16,7	51,7			64,0	2325
	12-14	,0	9,6		3,0		12,5	7,1	46,4			52,5	2323
	15-17	,1	9,7		2,5		12,0	4,5	38,3			41,9	2325
	18-20	,1	9,7		2,2		11,6	5,8	39,6			44,0	2325
	21-23		9,0		2,1		10,9	6,8	33,7			41,4	2322
TOTALS		,0	9,6	,0	3,0		12,3	11,3	40,6			49,3	18593

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

35010

WIESBADEN AB GERMANY

46-70

APR

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	.1	11.2		.3		11.4	4.8	20.8			23.5	2250
	03-05	.0	10.0		.6		10.5	8.5	25.0			30.1	2250
	06-08		12.0		.7	.0	12.5	14.1	37.4			45.9	2246
	09-11	.1	12.4		.4	.0	12.7	7.0	42.5			47.0	2247
	12-14	.1	11.2		.4	.0	11.4	2.0	26.0			27.3	2246
	15-17	.5	11.7		.3	.0	12.0	1.5	17.3			18.6	2250
	18-20	.5	11.3		.1		11.4	1.0	19.4			20.7	2250
	21-23	.1	11.9		.2		12.1	2.4	18.8			20.2	2247
TOTALS		.2	11.5		.4	.0	11.8	5.2	25.9			29.2	17986

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

35010

WIESBADEN AB GERMANY

46-70

MAY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS
MAY	00-02	.7	9.5				9.5	3.8	13.9			16.9	2325
	03-05	.4	10.6				10.6	10.1	21.8			29.1	2324
	06-08	.2	10.7				10.7	12.3	33.5			41.8	2324
	09-11	.1	10.3				10.3	4.7	30.3			34.2	2325
	12-14	.9	9.2		.1	.0	9.3	1.5	16.8			17.9	2325
	15-17	1.4	8.7			.0	8.7	.6	9.8			10.3	2325
	18-20	1.4	10.1			.0	10.1	1.1	10.2			11.1	2325
	21-23	1.2	9.6				9.6	1.8	12.0			13.5	2324
TOTALS		.5	9.8		.0	.0	9.9	4.5	18.6			21.9	18597

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

35010 WIESBADEN AB GERMANY 46-70 JUN  
STATION STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & / OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02	.5	8.0				8.0	6.7	13.8			18.8	2249
	03-05	.4	8.0				8.0	14.4	21.2			31.3	2250
	06-08	.2	8.4				8.4	16.5	34.0			45.3	2250
	09-11	.4	8.7				8.7	5.0	32.9			36.7	2250
	12-14	1.0	9.3				9.3	1.2	17.8			18.6	2250
	15-17	2.2	10.3			.0	10.3	1.0	11.2			11.9	2249
	18-20	1.9	10.1				10.1	1.9	10.2			11.6	2249
	21-23	1.5	9.4			.0	9.4	4.9	14.0		.0	17.7	2249
TOTALS		1.0	9.0			.0	9.0	6.5	19.4		.0	24.0	17993

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/WAC

# WEATHER CONDITIONS

35010

AIESBADEN AB GERMANY

46-70

JUL

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-02	.8	5.5				5.5	5.1	14.0			18.0	2315
	03-05	.8	6.5				6.5	13.5	23.3			33.2	2318
	06-08	.6	8.4				8.4	16.8	38.2			49.5	2322
	09-11	.2	7.2				7.2	4.2	35.7			38.6	2325
	12-14	.9	8.5				8.5	1.2	17.1			17.8	2325
	15-17	1.6	9.5			.0	9.5	1.0	10.5			11.0	2325
	18-20	2.0	8.1				8.1	1.6	10.9			12.4	2320
	21-23	1.6	6.9				6.9	2.7	14.0			16.1	2320
TOTALS		1.1	7.6			.0	7.6	5.8	20.5			24.6	18570

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/VAC

# WEATHER CONDITIONS

35010 WIESBADEN AB GERMANY 46-70 AUG  
STATION STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
AUG	00-02	1.2	8.8				8.8	7.4	14.3			20.8	2281
	03-05	1.0	8.8				8.8	16.9	20.3			33.1	2294
	06-08	.5	9.3				9.3	24.2	35.0			51.0	2324
	09-11		8.3				8.3	8.6	36.7			43.6	2324
	12-14	.4	8.0			.0	8.0	1.7	20.6			22.2	2325
	15-17	1.5	9.0				9.0	1.2	10.9			12.0	2325
	18-20	1.3	8.4			.0	6.4	1.9	11.5			13.3	2310
	21-23	1.3	9.0			.0	9.0	3.9	12.2			15.6	2279
TOTALS		.9	8.7			.0	8.7	8.3	20.2			26.5	18462



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

35010

WIESBADEN AB GERMANY

46-70

SEP

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.4	7.7				7.7	17.1	22.8			33.4	2159
	03-05	.3	5.5				9.5	27.7	24.3			46.9	2190
	06-08	.1	9.0				9.0	39.4	33.3			63.1	2250
	09-11	.1	8.3				8.3	20.8	44.0			59.8	2249
	12-14	.2	7.9				7.9	6.2	35.6			40.3	2249
	15-17	.4	8.4				8.4	3.5	25.7			28.6	2250
	18-20	.6	8.5				8.5	5.0	26.8			30.6	2220
	21-23	.2	8.0				8.0	9.9	23.2			30.7	2159
TOTALS		.3	8.4				8.4	16.2	29.5			41.9	17726

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# WEATHER CONDITIONS

35010

RIESBADEN AB GERMANY

46-70

OCT

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
OCT	00-02	.0	10.2				10.2	30.9	30.0			55.2	2316
	03-05	.0	10.0		.1		10.1	40.6	29.8			61.4	2319
	06-08		10.3		.2		10.5	48.7	31.4			70.0	2325
	09-11		10.3		.2		10.9	37.4	40.7			70.4	2325
	12-14	.0	9.6		.0		9.7	20.0	45.7			60.4	2325
	15-17		10.2		.0		10.2	13.9	36.6			49.2	2324
	18-20		8.4				8.4	17.5	40.5			53.6	2323
	21-23	.0	10.2				10.2	23.0	34.4			52.2	2317
TOTALS		.0	10.0		.1		10.0	29.0	36.3			59.1	18574

DATA PROCESSING DIVISION  
 JSAP ETAC  
 AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

35010 WIESBADEN AB GERMANY 46-70 NOV  
 STATION STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
NOV	00-02		14,6	.1	2,1		16,3	33,0	31,5			59,6	2249
	03-05		13,6	.1	2,3		15,5	38,5	29,1			61,6	2244
	06-08		15,3	.0	2,3		17,1	41,9	30,8			65,5	2246
	09-11		15,5	.0	2,1		17,4	39,6	39,9			71,8	2245
	12-14	.0	12,9	.1	2,0		14,7	28,3	43,3			65,9	2246
	15-17		13,4	.1	1,6		14,8	22,9	43,0		.0	62,9	2243
	18-20		14,5	.2	2,7		16,6	24,3	41,1			61,5	2248
	21-23		16,4	.2	2,9		18,7	27,7	36,6		.0	59,8	2246
TOTALS		.0	14,5	.1	2,3		16,4	32,0	37,2		.0	63,6	17967

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# WEATHER CONDITIONS

35010 AESSBADEN AB GERMANY 46-70 DEC  
STATION STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAZE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	00-02		14.0	.5	6.7		20.5	35.7	33.0			64.7	2325
	03-05		13.1	.8	6.1		19.6	38.3	31.4			64.0	2325
	06-08		14.2	1.3	9.2		23.7	39.3	31.1			64.6	2325
	09-11		13.2	1.1	8.0		21.9	39.0	38.8	.0		72.9	2324
	12-14		12.0	.3	7.0		18.8	35.1	40.1	.0		70.7	2325
	15-17		12.6	.3	4.9		17.1	33.7	40.5	.1		69.1	2324
	18-20		13.6	.7	6.0		19.7	33.7	38.2			66.5	2325
	21-23		14.4	.7	6.3	.0	20.7	34.3	35.9			65.3	2324
TOTALS			13.4	.7	6.8	.0	20.3	36.2	36.1	.0		67.2	18597

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WEAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/ AC

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
WEATHER CONDITIONS  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
ATMOSPHERIC PHENOMENA

35010 FIESBA 5 AB GERMAN 46-70 ALL  
STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	DAILY	.1	46.6	5.5	36.4		71.0	60.3	81.6	.3		91.5	744
FEB		.7	42.2	1.2	34.2	.9	64.6	55.3	81.9	.1		89.2	678
MAR		1.3	29.6	.4	15.3	.5	52.8	39.4	34.0			86.2	775
APR		5.2	53.7		5.9	2.0	59.3	26.5	70.4			72.8	750
MAY		13.3	49.8		.5	1.4	55.6	24.5	64.0			66.3	775
JUN		16.0	46.2			.7	52.6	34.2	64.1			66.6	749
JUL		16.5	46.1			.8	52.3	31.6	70.3			74.3	775
AUG		14.5	50.0			.9	55.8	43.0	68.6			74.1	760
SEP		5.0	44.2				49.4	60.3	81.0			85.6	720
OCT		1.0	42.7		.4	.3	46.1	67.4	82.8			91.1	772
NOV		.1	56.3	.5	12.6		67.7	67.8	79.9		.1	84.4	737
DEC		.3	50.1	4.6	33.4	.5	72.3	67.6	77.3	.4		93.7	775
TOTALS		6.2	47.3	1.0	11.6	.7	58.5	48.2	75.5	.1	.0	82.0	9010

# B

# B

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DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

- # B

# B

# B

# B

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
FROM DAILY OBSERVATIONS:

35010 NIESBADEN AB GERMANY  
STATION

46-73

YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-72	OVER 72						
JAN	29.6	26.1	5.0	14.0	10.1	10.1	3.5	.7	.3						44.3	713	1.51	3.20	.36
FEB	34.3	23.5	4.6	10.9	9.2	10.3	4.6	.5							40.2	650	1.31	2.77	.02
MAR	45.2	22.2	4.2	10.9	7.0	6.6	3.1	.9							32.7	744	1.20	2.48	.11
APR	37.9	22.9	5.3	11.0	8.8	9.6	4.0	.6							39.2	720	1.23	2.16	.29
MAY	41.4	20.7	4.0	11.8	6.2	8.2	6.0	1.6							37.9	744	1.69	4.00	.38
JUN	46.4	15.3	4.0	9.0	6.1	9.7	5.3	2.6	.4						37.4	720	2.04	4.64	.35
JUL	48.0	16.7	3.9	8.4	4.9	9.8	5.3	2.4	.6						35.3	713	2.03	3.57	.55
AUG	42.9	16.9	4.4	9.3	5.4	11.7	5.9	2.7	.8						40.2	744	2.47	7.50	.10
SEP	49.9	15.3	3.5	9.3	5.6	9.3	4.8	1.6	.3						34.7	750	1.84	4.23	.01
OCT	30.8	16.4	5.7	9.3	5.3	7.0	4.3	.6	.4						32.8	775	1.41	3.54	.26
NOV	32.2	24.2	5.1	13.3	9.6	9.6	4.0	1.3	.6						43.6	720	1.73	5.24	.21
DEC	27.4	27.2	5.0	13.1	8.1	10.3	5.3	1.4	.1						43.4	775	1.78	3.49	.13
ANNUAL	40.5	20.9	4.6	11.1	7.2	9.3	4.7	1.4	.3						38.6	8768	20.04		

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WEATHER SERVICE/AL

# EXTREME VALUES

PRECIPITATION  
1950-1999

WIESBADEN AB, GERMANY

40-70

24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
46						.79	.34	.46	.37	.45	1.32	.39	
47	1.27		.55	.10	.13	.10	.80	.25	.36	.19	.72	1.40	
48	.48	.45	.21	.45	.94	.36	1.31	.81	.22	.40	.44	.09	1.31
49	.29	.13	.51	.55	.55	.23	.50	.47	.39	1.21	.54	.91	1.31
50	1.31	.35	.59	.35	.70	.63	1.28	.69	.72	.19	1.21	.59	1.31
51	.58	.14	.54	.23	.87	.63	.92	.89	.47	.92	1.17	.93	1.17
52	.25	.40	.48	.35	.17	.40	1.38	1.00	.67	.44	.87	.45	1.38
53	.13	.22	.04	.34	.37	.48	.51	.22	.33	1.55	.13	.37	1.55
54	.23	.26	.09	.32	.50	.36	.44	.51	1.00	.98	.17	.72	1.00
55	.44	.46	.29	.12	.57	.83	.96	1.47	.38	.49	.32	.73	1.47
56	.55	.35	.74	.68	.53	1.06	.47	.52	.30	.50	.32	.22	1.06
57	.39	.52	.91	.29	.28	.34	.66	.32	1.11	.48	.19	.25	1.11
58	.66	.63	.21	.10	.54	.65	.27	1.21	.62	.43	.34	.41	1.21
59	.40	.02	.36	.19	.36	.30	.57	.61	.01	.40	.22	.33	.61
60	.21	.33	.35	.10	.45	.24	.56	1.28	.36	.51	.40	.28	1.28
61	.23	.15	.12	.74	.41	2.31	1.05	.57	.35	.23	.38	.20	2.31
62	.34	.49	.56	.32	.37	.42	.90	.39	.12	.90	.46	.46	
63	.33	.24	.74	.17	.10	.48	.41	1.00	.27	.76	.49	.08	1.00
64	.17	.26	.25	.50	.26	.23	.65	.21	.72	.51	.64	.70	.94
65	.51	.11	.39	.30	.41	1.16		.42		.19		.62	
66	.35	.30	.18	.34	.35	.85	.70	1.03	.13	1.19	.40	.51	1.19
67	.11	.27	.44	.43	.54		.28	.47	1.83	.71	.51	.40	
68	.41	.36	.28	.31	.39	.68	.52	1.66	.53	.28	.13	.33	1.66
69	.10	.53	.50	.36	.51	.45	.99	.63	.17	.13	.35	.32	.99
70		.43	.38	.59	.44	.93	.62	.26	.52	.39	.19	.22	
MEAN	.41	.33	.39	.34	.45	.64	.71	.72	.51	.50	.55	.47	1.26
S.D.	.293	.181	.229	.177	.219	.437	.328	.414	.372	.358	.358	.286	.351
TOTAL OBS	713	650	744	720	744	720	713	744	730	775	720	775	8766

USAF ETAC FORM 0-88.5 (01)

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AIR WEATHER SERVICE/AC

## EXTREME VALUES

### PRECIPITATION

35010 ISSUED TO GERMANY

46-72

24 HOUR AMOUNTS IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

USAF ETAC <sup>FORM</sup> ~~104~~ 0-88-5/204

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
FROM DAILY OBSERVATIONS

35010 WISBARE AB GERMANY  
STATION NAME

40-70

MONTH	AMOUNTS INCHES												PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF DAYS	MONTHLY AMOUNTS INCHES		
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			MEAN	MAX	MIN
JAN	64.3	19.5	5.2	0.0	1.7	.0	.5						13.7	651	4.3	18.3	.4
FEB	66.9	18.0	5.5	0.3	1.1	.3	.3	.5					14.3	650	3.7	17.2	.0
MAR	33.1	12.4	2.2	1.4	.0	.1	.1						4.3	775	1.1	8.5	.0
APR	93.0	5.7	.3	.6									.7	750	.1	1.7	.0
MAY	99.7	.3												775	TRACE	TRACE	.0
JUN	100.0													720	.0	.0	.0
JUL	100.0													775	.0	.0	.0
AUG	100.0													775	.0	.0	.0
SEP	100.0													750	.0	.0	.0
OCT	99.5	.4	.1										.1	775	TRACE	.1	.0
NOV	87.3	8.5	2.1	1.7	.1		.1						4.1	750	.8	6.8	.0
DEC	66.3	21.2	4.9	4.4	1.8	.8	.3	.4					12.5	775	4.1	14.9	TRACE
ANNUAL	88.4	7.2	1.8	1.7	.4	.2	.1	.1					4.3	8921	14.1		

PRECIPITATION  
ETAC  
WEATHER SERVICE

# EXTREME VALUES

SNOWFALL

INSLADE AB, GERMANY

48-70

## 24 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
46			TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	1.3	
47	2.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.7	2.2	
48	2.6	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.4
49	.3	.5	1.8	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.4	1.8
50	1.3	.8	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.0
51	1.0	.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	1.0
52	1.5	2.0	1.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.0	2.0
53	.0	2.0	.4	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	2.2
54	2.3	1.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.5	2.3
55	1.9	4.0	1.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.2	4.0
56	3.6	3.5	.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.9	3.6
57	1.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.4	1.4
58	2.0	4.0	1.7	1.0	.0	.0	.0	.0	.0	.0	.0	2.8	4.0
59	3.3	.2	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.3
60	1.0	1.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.4	2.4
61	2.2	.5	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.2
62	.4	1.8	1.6	TRACE	TRACE	.0	.0	.0	.0	.0	.0	4.3	4.3
63	3.3	2.4	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	3.3
64	1.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	5.0	5.0
65		.9	1.8	TRACE	.0	.0	.0	.0	.0	.0	1.2	4.0	
66	.2	.0	.5	TRACE	.0	.0	.0	.0	.0	.0	1.5	.9	1.5
67		.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	5.0	
68	4.0	2.1	.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.5	4.0
69	1.0	3.3	.3	1.4	.0	.0	.0	.0	.0	.0	.0	2.9	5.3
70		1.4	3.6	.2	.0	.0	.0	.0	.0	.0	TRACE	1.0	1.7
MEAN	1.77	1.92	.61	.10	TRACE	.00	.00	.00	.00	.00	.42	1.98	3.12
S.D.	1.141	1.981	.901	.397	.000	.000	.000	.000	.000	.020	.926	1.607	1.353
TOTAL OBS.	65	650	775	750	775	780	775	775	750	775	750	775	8921

SAF ETAC FORM 0-88-5 (OU)

## EXTREME VALUES

**SNO-FALL**

### FIELD OBSERVATIONS

35010	WIESBADEN AB GERMANY
STATION	STATION NAME

46-70

TABLE 1

24 HOUR AMOUNTS IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
FROM DAILY OBSERVATIONS

05010 AIRSPARER AB GERMANY

46-70

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS INCHES															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS INCHES		
	NONE	TRACE	01	02-03	04-05	06-07	08-09	10-11	12-13	14-15	16-17	18-19	20-21	22-23	OVER 24			MEAN	GREATEST	LEAST
NOV	NONE	TRACE	01	02-03	04-05	06-07	08-09	10-11	12-13	14-15	16-17	18-19	20-21	22-23	OVER 24					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-9	10-12	13-16	17-19	20-24	25-29	30-34	35-39	OVER 40					
JAN	73.4	10.0	7.0	4.3	4.2	1.0	.1									10.7	713			
FEB	71.8	7.8	6.3	4.6	1.0	7.2	1.2									20.4	676			
MAR	92.5	4.5	1.3	.6	.9	.1										1.0	775			
APR	100.0																750			
MAY	100.0																775			
JUN	100.0																720			
JUL	100.0																775			
AUG	100.0																775			
SEP	100.0																750			
OCT	100.0																775			
NOV	97.4	1.5	.7	.1		.3										1.1	720			
DEC	79.5	9.9	5.4	2.0	1.2	1.2	.7									10.5	744			
ANNUAL	92.9	2.8	1.7	1.0	.6	.8	.2									4.5	8950			

FA PROCESSING DIVISION  
AF ETAC  
WEATHER SERVICE/AC

# EXTREME VALUES

SNOW DEPTH  
FROM DAILY OBSERVATIONS

10 155745EN AB, GERTANY

46-70

## DAILY SNOW DEPTH IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46			0	0	0	0	0	0	0	0	0	1	
47	3	3	0	0	0	0	0	0	0	0	0	3	3
48	2	2	0	0	0	0	0	0	0	0	0	0	2
49	TRACE	TRACE	0	0	0	0	0	0	0	0	0	1	1
50	0	1	0	0	0	0	0	0	0	0	0	7	7
51	7	0	TRACE	0	0	0	0	0	0	0	0	0	7
52	1	2	1	0	0	0	0	0	0	0	1	1	2
53	1	2	TRACE	0	0	0	0	0	0	0	0	TRACE	2
54	3	2	0	0	0	0	0	0	0	0	0	TRACE	3
55	2	0	3	0	0	0	0	0	0	0	TRACE	1	6
56	0	0	TRACE	0	0	0	0	0	0	0	TRACE	2	6
57	1	0	0	0	0	0	0	0	0	0	0	TRACE	1
58	3	2	1	0	0	0	0	0	0	0	0	2	3
59	3	TRACE	0	0	0	0	0	0	0	0	0	0	3
60	3	0	0	0	0	0	0	0	0	0	0	2	3
61	3	1	0	0	0	0	0	0	0	0	TRACE	TRACE	3
62	TRACE	2	1	0	0	0	0	0	0	0	4	3	7
63	4	0	3	0	0	0	0	0	0	0	0	TRACE	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	4	5	0	0	0	0	0	0	0	0	0	4	0
69	4	11	0	0	0	0	0	0	0	0	TRACE	5	11
70		2	4	0	0	0	0	0	0	0	0	4	
MEAN	2.2	2.2	.5	.0	.0	.0	.0	.0	.0	.0	.2	1.5	2.7
S.D.	2.012	2.706	1.122	.000	.000	.000	.000	.000	.000	.000	.833	1.934	2.758
TOTAL OBS	713	678	775	730	775	720	775	775	730	775	720	744	8950

USAF ETAC FORM 0-88-5 (OLD)

Best Available Copy

## EXTREME VALUES

**SNOW DEPTH**  
(FROM DAILY OBSERVATIONS)

**46-70**

YEARS

[illegible]



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VAREL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

DATA PROCESSING 11/61  
 USAF ETAC  
 AIR WEATHER SERVICE/AL

# EXTREME VALUES

SURFACE WINDS  
 (10 MINUTE AVERAGE)

35010 1157400 AB GERMANY

01-71

## DAILY PEAK GUSTS IN KNOTS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
61													WS- 37
62	SW 50K	30N	27NE	38WSW	20N	20WSW	29SW	29WSW	31N	21E	17NNW	39	SW 30
63	ENE 25E	21S	30ENE	20N	28E	28SSE	21W	33NW	34W	23NNW	29NE	19	NW 34
64	SSW 18W	23ESE	32N	30NNW	29N	31N	34WSW	48W	35SW	39N	35N	36	WSW 45
65	SW 38NE	34W	43NNW	30WSW	34S	38WSW	36N	43W	31E	34W	43NW	42	N 43
66	NNW 39W	23S	40N	33NNW	30SSW	49W	30WSW	30SW	30SW	20NW	39NW	38	SSW 49
67	" 32WSW	54W	44ENE	32N	30NNW	20NNW	35SW	30NNW	25W	54E	29NNW	38	WSW 64
68	NNW 30WSW	21SW	44S	23		27/	4020/	3331/	2024/	22.9/	2429/	21	
69	24/	2928/	3525/	2530/	3528/	2729/	2424/	3033/	34.9/	3133/	2123/	45.6/	29/ 45
70	8/	2031/	4231/	3324/	3531/	42.6/	3627/	3534/	2624/	2929/	4227/	3430/	37/ 42

MEAN	32.8	24.0	25.2	32.2	33.5	32.3	32.2	25.9	20.9	21.2	32.8	33.5	40.5
S D	9.284	3.583	7.517	4.081	8.880	8.396	5.472	8.162	3.700	11.083	9.038	7.962	8.602
TOTAL OBS	271	254	279	270	247	237	277	277	260	278	270	306	3233

## EXTREME VALUES

35010      WIESBADEN AB GERMANY  
STATION      STATION NAME

61-70

YEARS

[illegible]

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010 KIESSBADEN AB GERMANY 46-76 ALL  
STATION MONTH  
ALL WEATHER CLASS ALL  
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.2	1.6	.5	.0	.0						5.0	6.0
NNE	1.5	1.5	1.2	.5	.1	.0	.0					4.3	6.6
NE	1.2	1.7	1.7	1.1	.2	.1	.0					6.0	7.7
ENE	1.0	1.8	2.2	1.2	.2	.0						6.4	7.7
E	1.6	2.6	2.8	1.3	.1	.0						8.6	6.9
ESE	.7	.8	.5	.1	.0							2.2	5.3
SE	.4	.8	.2	.0	.0							1.8	4.4
SSE	.7	.8	.3	.1	.0							1.9	4.8
S	1.5	2.4	1.4	.3	.0	.0						5.7	5.6
SSW	.5	1.1	.9	.4	.0	.0	.0					3.1	6.7
SW	.3	1.8	2.1	1.3	.2	.0	.0	.0				6.2	8.0
WSW	.7	1.5	1.9	1.4	.2	.1	.0	.0		.0		5.9	8.5
W	1.5	2.7	2.8	1.8	.3	.1	.0	.0				9.1	7.9
WNW	.9	1.2	1.1	.6	.1	.0	.0	.0				3.9	7.1
NW	1.0	1.4	1.2	.7	.1	.0	.0	.0				4.5	7.2
NNW	.2	1.0	1.1	.5	.1	.0	.0	.0				3.5	7.0
VARBL	.5	.3	.2	.1	.0	.0						1.5	4.3
CALM												15.9	
	17.4	25.8	23.2	12.0	1.6	.3	.0	.0		.0		100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 217163

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 STATION WIESBADEN AB GERMANY 47-70 YEARS JAN MONTH ALL ALL HOURS (L.S.T.)

ALL WEATHER CASE

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.4	1.2	.3		.0						4.2	5.8
NNE	.3	1.1	1.2	.4	.0							3.5	6.5
NE	1.0	1.5	1.9	1.1	.4	.1	.0					5.9	8.4
ENE	1.2	2.2	2.4	1.5	.4	.0						7.7	8.1
E	2.7	3.3	3.4	1.7	.3	.0						11.4	6.9
ESE	1.0	1.0	.5	.2								2.7	5.0
SE	.9	.8	.2	.0								1.5	4.0
SSE	.0	.7	.2	.1	.0							1.9	4.7
S	1.9	2.8	2.0	.5	.0							7.3	5.9
SSW	.0	1.0	1.0	.5	.1							3.2	7.1
SW	.8	2.0	2.9	1.9	.3	.0						8.0	8.6
WSW	.5	1.4	2.2	1.6	.4	.1						6.2	7.2
W	1.3	2.4	2.6	2.4	.2	.1	.0	.0				9.4	8.8
WNW	.5	.7	.7	.5	.1	.0	.0	.0				2.5	7.9
NW	.2	.9	.8	.6	.1	.0						3.1	8.0
NNW	.2	.4	.5	.3	.1	.0						1.7	7.4
VARBL	.7	.1										.8	2.0
CALM												12.5	
	17.4	23.5	23.8	13.7	2.6	.5	.0	.0				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 17850

DATA PROCESSING DIVISION  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
 STATION

WIESBADEN AB GERMANY  
 STATION NAME

47-70  
 YEARS

FEB  
 MONTH

ALL WEATHER  
 CLASS

ALL  
 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.9	1.4	.5	.0	.0						5.3	6.1
NNE	1.1	1.1	1.4	.5	.0	.0	.0					4.1	6.7
NE	1.1	1.6	1.7	1.7	.5	.1	.0					6.9	9.2
ENE	.9	2.0	3.5	2.4	.3	.0						9.1	8.6
E	2.2	3.3	3.7	1.6	.1							10.8	6.9
ESE	.6	.8	.4	.1								1.9	5.0
SE	.8	.8	.1	.0								1.7	4.1
SSE	.7	.8	.3	.1	.0							1.9	5.1
S	1.4	2.5	1.7	.8	.0							6.1	6.1
SSW	.5	.9	.9	.3	.0							2.6	6.8
SW	.6	1.5	2.1	1.4	.2	.0						5.8	8.4
WSW	.5	1.2	2.0	1.5	.3	.1	.0					5.7	9.3
W	1.2	2.5	2.7	2.5	.4	.1	.0					9.4	8.8
WNW	.7	1.0	1.0	.7	.2	.0	.0					3.6	8.1
NW	.7	1.0	1.1	.9	.1	.0		.0				3.9	8.3
NNW	.6	.8	.9	.4	.0	.0						2.7	7.3
VARBL	.6	.1										.7	2.2
CALM												17.9	
	15.6	23.8	24.6	15.1	2.3	.5	.1	.0				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 16270

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 35010 STATION NAME NIESBADEN AB GERMANY YEARS 46-70 MONTH MAR  
CLASS ALL WEATHER CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.2	1.8	.6	.1	.0						6.2	6.2
NNE	.9	1.4	1.4	.6	.1	.0						4.9	7.3
NE	1.2	2.3	2.5	2.0	.5	.1						8.7	8.6
ENE	.8	2.1	3.3	2.3	.3	.0						8.8	8.7
E	1.6	3.0	4.0	2.5	.2	.0						11.3	8.0
ESE	.6	.7	.6	.3	.0							2.2	6.3
SE	.6	.7	.2	.0	.0							1.6	4.5
SSE	.5	.5	.2	.0								1.2	4.6
S	.9	1.5	.9	.3	.0	.0						3.7	6.1
SSW	.4	.7	.7	.5	.1	.0						2.4	7.8
SW	.6	1.2	1.8	1.5	.4	.0	.0					3.6	9.3
WSW	.5	1.1	1.9	1.8	.4	.1	.0					5.7	9.7
W	1.2	2.1	2.6	2.2	.5	.1						8.6	8.8
WNW	.8	.9	1.1	.8	.2	.0	.0					3.8	7.9
NW	1.2	1.4	1.4	1.1	.2	.1		.0				5.4	7.9
NNW	.7	1.0	1.4	.8	.1	.0	.0					4.1	7.9
VARBL	.7	.1										.8	2.3
CALM												15.5	
	14.8	23.0	25.7	17.4	3.0	.6	.0	.0				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 18592

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	2.9	1.5	.2							8.6	7.6
NNE	.9	1.7	1.8	1.1	.2	.0						5.8	7.7
NE	1.0	2.0	2.3	2.0	.4	.1						7.7	8.5
ENE	.9	1.4	1.9	1.3	.2	.1						5.8	8.2
E	1.7	2.1	2.1	1.1	.1							7.2	6.8
ESE	.5	.7	.6	.2								2.1	6.1
SE	.6	.7	.3	.0								1.7	4.6
SSE	.5	.8	.4	.2	.0							2.0	6.0
S	1.4	2.0	1.3	.4	.1							5.0	5.8
SSW	.6	1.1	1.0	.6	.1	.0						3.4	7.4
SW	1.0	1.9	2.2	1.3	.3	.1	.0					6.7	8.2
WSW	.8	1.3	1.6	1.3	.3	.2	.0					5.5	8.9
W	1.4	2.4	2.4	1.6	.4	.1						8.4	8.0
WNW	.9	1.2	1.1	.8	.1	.1						4.1	7.5
NW	.8	1.3	2.0	1.3	.1	.0						5.7	8.0
NNW	.7	1.3	1.2	1.2	.2	.0						5.2	8.3
VARBL	.9	.2	.2	.1	.0							1.5	4.0
CALM												13.6	
	12.9	25.1	29.0	16.3	2.6	.5	.0					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 17985



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.8	2.7	1.5	.1	.0						8.3	6.8
NNE	1.2	2.1	2.0	1.1	.3	.0						6.8	7.6
NE	1.1	2.3	2.3	1.6	.3	.2	.0					7.8	8.4
ENE	.9	1.6	2.2	1.6	.3	.0						6.6	8.5
E	1.3	2.0	2.7	1.5	.1	.0						7.7	7.5
ESE	.5	.8	.8	.2	.0							2.4	6.5
SE	.5	.7	.3	.0								1.5	4.8
SSE	.5	.6	.3	.1	.0							1.7	5.0
S	1.2	1.9	1.0	.2	.0	.0						4.4	5.4
SSW	.5	1.0	.8	.2	.0							2.6	6.2
SW	.7	1.6	1.7	.8	.1	.0						4.8	7.4
WSW	.7	1.8	1.6	.9	.1	.0						4.9	7.5
W	1.3	2.7	2.5	1.3	.2	.0	.0					8.1	7.4
WNW	.9	1.4	1.2	.6	.1							4.3	6.8
NW	1.0	1.5	1.8	1.1	.1	.0						5.5	7.6
NNW	1.0	1.3	1.7	1.0	.1	.0	.0					5.3	7.6
VARBL	1.4	.5	.3	.1	.0							2.3	3.9
CALM												15.2	
	16.7	20.5	25.9	13.4	1.8	.4	.0					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

18597

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 35010 STATION NAME WIESBADEN AB GERMANY YEARS 46-70 MONTH JUN  
CLASS ALL WEATHER HOURS (L S T.) ALL  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.2	2.2	.5	.0	.0						8.0	5.8
NNE	1.2	1.8	1.2	.5	.0	.0						4.8	6.1
NE	1.0	1.8	1.8	1.1	.1	.0						5.9	7.5
ENE	.8	1.5	1.8	1.2	.1							5.4	7.9
E	1.1	1.0	1.7	.6	.0							5.2	6.5
ESE	.5	.5	.3	.0	.0							1.5	5.1
SE	.6	.7	.2	.0	.0							1.5	4.4
SSE	.5	.8	.4	.0								1.7	5.1
S	1.4	2.2	1.0	.2	.0							4.8	5.3
SSW	.5	1.1	.8	.3	.0							2.7	6.4
SW	.9	1.9	1.8	1.0	.1	.0						5.7	7.3
WSW	.9	1.9	1.8	1.1	.1	.0						5.8	7.6
W	1.7	3.2	3.0	1.4	.1	.0						9.4	7.1
WNW	1.0	1.7	1.8	.7	.1	.0						5.4	7.0
NW	1.4	2.0	2.2	.9	.1							7.1	6.6
NNW	1.0	1.7	1.8	.8	.1	.0		.0				5.4	7.1
VARBL	1.1	.5	.2	.1	.0							2.0	4.1
CALM												18.0	
	17.5	29.0	23.9	10.5	.9	.1		.0				100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 17990

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.9	1.9	.7	.0							7.9	5.8
NNE	1.2	1.8	.9	.5	.0	.0						4.4	5.2
NE	.9	1.5	1.0	.3	.0							3.7	6.0
ENE	.8	1.0	1.0	.2	.0	.0						3.0	6.0
E	.9	1.4	1.3	.3	.0							3.9	6.0
ESE	.4	.6	.4	.1								1.4	5.6
SE	.6	.5	.2	.0								1.3	4.4
SSE	.7	.6	.2	.0								1.6	4.3
S	1.1	2.1	.9	.1	.0							4.3	5.2
SSW	.3	1.1	.7	.3	.0							2.8	6.0
SW	.5	1.9	1.6	1.0	.1	.0						5.7	7.6
WSW	1.0	2.0	2.3	1.3	.2	.0						6.9	7.8
W	1.7	3.8	3.6	2.1	.3	.0						11.6	7.6
WNW	1.3	2.2	1.9	.9	.1	.0						6.3	6.8
NW	1.5	2.3	2.0	1.1	.1	.0						7.0	6.9
NNW	1.5	1.9	1.8	.7	.1	.0						6.0	6.3
VARBL	1.2	.6	.3	.1								2.0	4.3
CALM												20.4	
	18.5	28.2	22.1	9.7	1.0	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

18562

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 35010 STATION NAME WIESBADEN AB GERMANY YEARS 46-70 MONTH AUG  
CLASS ALL WEATHER HOURS (L Y) ALL  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.4	1.5	.3	.0	.0						6.1	5.4
NNE	1.7	1.8	1.0	.2	.0							4.0	5.6
NE	1.2	1.6	1.3	.3	.0							4.5	6.0
ENE	.8	1.4	1.5	.6	.0							4.3	6.9
E	1.4	2.0	1.9	.6	.0							5.9	6.2
ESE	.6	.6	.4	.1								1.6	5.2
SE	.8	.9	.3	.1	.0							2.1	4.8
SSE	.7	1.0	.3	.1	.0							2.2	4.9
S	1.4	2.7	1.3	.3	.0							5.8	5.5
SSW	.6	1.3	.9	.4	.0	.0						3.1	6.5
SW	.7	2.2	1.9	1.3	.2	.0						6.4	8.1
WSW	.8	2.2	2.3	1.4	.2	.0		.0				7.3	8.0
W	1.6	2.4	2.6	1.7	.2	.0	.0					10.7	7.4
WNW	1.1	1.4	1.2	.5	.1	.0	.0					4.4	6.6
NW	1.3	1.8	1.2	.4	.0							4.8	6.0
NNW	1.1	1.2	1.0	.3	.0							3.8	5.8
VARBL	.9	.6	.1	.0								1.7	3.7
CALM												21.7	
	17.8	28.7	21.8	8.8	.9	.1	.0	.0				100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 18460

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 STATION WIESBADEN AB GERMANY 46-70 YEARS SEP MONTH  
ALL WEATHER CLASS ALL HOURS (LST) CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N	1.5	2.0	1.0	.2								4.7	5.2
NNE	1.1	1.5	1.0	.1								3.7	5.4
NE	1.6	1.6	1.3	.5	.0							3.0	6.0
ENE	1.1	1.8	1.5	.7	.0							3.7	6.6
E	1.7	2.6	3.2	1.6	.0							9.1	7.2
ESE	.8	.9	.5	.2								2.0	5.3
SE	.8	.8	.2	.0								1.8	4.2
SSE	.9		.3	.0								2.0	4.4
S	1.7	2.6	1.2	.3								3.8	5.2
SSW	.8	1.3	1.1	.3	.0							3.4	6.3
SW	.9	2.2	2.0	1.2	.1							6.3	7.4
WSW	.8	1.8	2.2	1.3	.2	.0						6.2	8.0
W	1.6	2.9	3.0	2.0	.2	.1	.0					9.8	7.8
WNW	.9	1.2	.8	.6	.1	.0	.0	.0				3.6	7.1
NW	.9	1.0	.8	.3	.0	.0						3.0	5.3
NNW	.7	.6	.6	.3	.0							2.2	5.3
VARBL	1.0	.5	.1	.1								1.6	3.5
CALM												24.0	
	18.7	25.8	20.7	9.7	.8	.2	.0	.0				100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 17728

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 35010 AIESBADEN AB GERMANY 46-70 CCT  
STATION NAME YEARS MONTH  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.5	.8	.2	.0							4.0	5.3
NNE	1.0	1.2	.9	.3	.1	.0						3.5	6.2
NE	1.3	1.7	1.5	1.1	.2	.1						5.8	7.4
ENE	1.1	2.0	2.4	1.2	.1							6.7	7.4
E	1.9	2.8	2.6	1.2	.0							9.5	6.8
ESE	.9	.8	.4	.1	.0							2.2	5.0
SE	.9	.8	.2	.0								1.8	4.1
SSE	.9	.8	.3	.0								1.8	4.4
S	1.8	2.4	1.3	.3	.0							5.8	5.2
SSW	.6	1.2	.6	.4	.0	.0						3.0	6.4
SW	.7	1.8	1.7	.8	.1	.0	.0					5.1	7.3
WSW	.9	1.5	1.6	.9	.1	.0	.0	.0				5.0	7.5
W	1.7	2.4	2.3	.9	.1	.0						7.3	6.7
WNW	1.0	1.0	.8	.4	.0	.0						3.3	6.3
NW	1.0	1.0	.6	.4	.1							3.1	6.2
NNW	.6	.7	.5	.2	.0							2.0	5.9
VARBL	.8	.1	.4	.2	.0							1.5	5.4
CALM												28.3	
	18.3	23.7	20.2	8.6	.8	.1	.0	.0				100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 18571

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/NAO

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010 WIESBADEN AB GERMANY 46-70 ADV  
STATION STATION NAME YEARS MONTH  
ALL WEATHER ALL  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.4	.9	.2	.0							3.8	5.5
NNE	.9	1.0	.3	.3	.0							3.1	6.0
NE	1.3	1.6	1.4	.9	.1							5.2	6.9
ENE	1.4	2.2	2.0	.9	.2	.0						6.8	6.9
E	2.9	3.6	3.2	1.6	.1	.0						11.6	6.6
ESE	1.2	1.3	.5	.1								3.2	4.8
SE	1.2	1.1	.3	.1	.0							2.6	4.3
SSE	1.1	1.0	.3	.1	.0							2.4	4.4
S	2.3	3.3	1.9	.5	.0							8.1	5.6
SSW	.6	1.1	1.1	.6	.0	.0						3.3	6.7
SW	1.3	1.3	2.3	1.6	.2	.0						7.0	8.1
WSW	.5	1.2	1.7	1.3	.4	.1	.0					5.5	9.3
W	1.7	2.3	2.5	1.3	.3	.1						8.1	7.4
WNW	.7	.8	.5	.3	.1							2.5	6.3
NW	.6	.9	.8	.3	.0	.0						2.9	6.6
NNW	.5	.5	.3	.1	.0	.0						1.5	5.8
VARBL	.5	.3	.4	.4	.0	.0						1.6	7.2
CALM												20.9	
	19.9	25.0	21.2	10.6	1.5	.2	.0					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 17962

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 STATION AIESBADEN AB GERMANY 46-70 YEARS DEC MONTH  
ALL WEATHER CLASS ALL HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.6	1.2	.3	.0	.0						4.4	5.6
NNE	.9	.9	.9	.3	.0							2.9	6.2
NE	1.1	1.2	1.6	1.1	.1							5.1	7.6
ENE	1.2	2.4	2.7	1.0	.0							7.4	7.1
E	2.7	3.7	3.1	.8	.0							10.2	5.9
ESE	1.0	1.2	.4	.0								2.6	4.3
SE	1.2	.9	.3	.0	.0							2.4	4.2
SSE	1.0	1.0	.4	.1	.0							2.5	4.6
S	2.1	3.5	1.9	.4	.0							7.9	5.5
SSW	.7	1.4	1.2	.5	.0							3.9	6.7
SW	.7	2.2	2.7	1.8	.2	.0		.0				7.7	8.4
WSW	.6	1.3	.9	1.7	.3	.1		.0		.0		5.9	9.3
W	1.3	2.2	2.7	2.0	.4	.1	.0					8.8	8.4
WNW	.7	.8	.7	.2	.1	.0	.0					2.5	6.8
NW	.7	.5	.7	.2	.1	.1	.0					2.7	8.0
NNW	.5	.5	.5	.2	.0							1.7	6.1
VARBL	.6	.5	.3	.1		.0						1.5	5.2
CALM												19.9	
	13.2	26.1	23.1	11.0	1.3	.3	.0	.0		.0		100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 18596



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 FIESBADEN AB GERMANY 47-70  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDIT...  
JAN  
0000-0200  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.6	1.0	.3								4.6	5.2
NNE	.8	1.6	1.2	.5	.0							4.0	6.7
NE	.9	1.6	2.0	1.0	.3							5.9	8.0
ENE	1.2	1.9	2.6	1.4	.3							7.4	7.9
E	3.0	2.6	2.8	2.2	.2	.1						10.9	7.0
ESE	1.5	.6	.4	.0								2.7	4.2
SE	1.2	1.0	.1									2.1	4.1
SSE	.9	.5										1.4	3.5
S	2.0	2.5	1.8	.3								6.5	5.5
SSW	.6	1.3	.9	.4								3.2	5.3
SW	1.0	2.2	2.4	1.6	.3	.0						7.6	8.1
WSW	.7	.9	2.4	1.3	.3	.0						5.7	8.8
W	1.8	3.0	2.6	2.3	.4	.0						10.1	8.0
WNW	.7	.6	.5	.3	.0			.0				2.2	7.1
NW	.4	.9	1.0	.7	.1							3.2	8.3
NNW	.6	.3	.4	.2								1.6	5.8
VARBL	.5	.2										.8	2.6
CALM												20.0	
	19.2	23.7	22.2	12.7	1.9	.2		.0				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2230

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35018  
STATION

WIESBADEN AB GERMANY  
STATION NAME

47-70  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3	1.2	.3								4.0	5.6
NNE	1.3	.9	1.2	.4								3.8	6.0
NE	1.2	1.7	1.7	1.3	.4	.1						6.6	8.4
ENE	1.6	2.4	2.5	1.1	.4							8.0	7.4
E	2.3	3.0	2.6	1.2	.3							10.4	6.3
ESE	1.3	.7	.9	.2								3.0	3.2
SE	1.2	.9	.2									2.0	4.1
SSE	.9	1.0	.3	.1								2.2	4.6
S	1.5	3.0	1.6	.6								6.7	5.9
SSW	.3	1.3	.8	.7	.0							3.1	7.7
SW	.9	1.7	1.9	1.7	.4							6.6	8.6
WSW	.9	1.2	1.6	1.4	.3							5.3	8.6
W	1.2	2.6	2.7	2.4	.3	.1						9.3	8.6
WNW	.6	.8	.4	.6	.0			.1				2.6	8.3
NW	.9	1.0	.8	.4	.0	.0						3.2	6.8
NNW	.4	.2	.4	.1								1.2	3.8
VARBL	.8	.0										.8	2.1
CALM												21.3	
	19.0	23.8	20.5	12.6	2.3	.2		.1				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

2232

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

39010  
STATION

WESBADE AB SER-A  
STATION NAME

47-70  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0600-0600  
HOURS (L.S.T.)

LOCATION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	1.1	.2								3.9	5.4
NNE	.5	1.3	1.3	.4								3.7	6.3
NE	1.0	1.1	2.2	1.0	.3							5.7	6.1
NNE	1.2	2.3	2.0	1.3	.4	.0						7.1	7.6
E	2.6	2.5	3.5	1.8	.2							10.5	7.0
ESE	.7	.9	.5	.2								2.3	3.5
SE	1.3	1.0	.2									2.2	4.1
SSE	.7	.9	.5	.3								2.1	4.9
S	1.9	2.5	2.4	.6	.0							7.4	6.1
SSW	.4	.9	.9	.5	.0							2.6	6.8
SW	.9	1.8	3.1	1.5	.4							7.8	8.7
WSW	.5	1.7	1.5	.5	.3	.0						6.9	5.2
W	1.4	2.1	2.9	2.6	.2	.0	.0					9.2	8.5
WNW	.7	.7	.9	.4								2.6	6.7
NW	.9	.7	.8	.5	.1							3.0	7.2
NNW	.5	.3	.3	.2	.1							1.4	6.6
VARBL	1.2											1.2	1.7
CALM												22.3	
	17.7	21.7	24.1	17.0	2.1	.1	.0					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2232

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

KIESBADEN AB GERMANY  
STATION NAME

47-70  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WI SPE.
N	1.5	1.3	1.0	.2								4.1	5.3
NNE	.6	1.0	1.0	.3								2.9	6.3
NE	.4	.9	1.6	1.2	.4							4.6	9.4
ENE	.8	2.1	2.2	2.0	.5	.1						7.8	9.2
E	3.0	3.2	3.7	1.6	.4							12.1	7.1
ESE	1.1	1.2	.7	.3								3.2	5.4
SE	1.0	.9	.2									2.2	3.9
SSE	1.3	.9	.3	.2								2.7	4.9
S	1.7	3.0	2.3	.5								7.8	6.2
SSW	.7	1.1	1.0	.5	.0							3.4	7.0
SW	.7	1.7	2.3	1.3	.4							6.9	8.9
WSW	.4	1.2	2.2	1.9	.3	.2						6.1	9.6
W	1.7	1.8	3.0	2.2	.4	.2						7.3	8.6
WNW	.7	.9	.9	.5	.1	.0						3.2	7.7
NW	.7	1.0	.7	.5	.1							3.0	7.2
NNW	.6	.3	.3	.4	.1							1.7	7.2
VARBL	.9	.2										1.0	2.2
CALM												18.0	
	17.6	22.7	22.4	14.7	2.8	.6						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2231

DATA PROCESSING DIVISION  
ETAG, USAF  
AIR CATER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

47-70  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	1.0	.5								3.1	7.1
NNE	.5	.4	1.0	.4	.0							2.4	7.3
NE	.4	.9	1.7	.8	.4	.1						4.1	9.2
FNE	.7	2.0	2.6	.0	.8							8.1	9.4
E	1.6	3.8	4.3	.3	.4	.0						12.5	7.8
ESE	1.2	1.5	.7	.6								4.0	5.8
SE	1.3	.5	.2	.0								2.1	4.0
SSE	.8	.7	.1	.2	.0							1.9	3.6
S	2.5	2.7	2.1	.5								8.0	5.5
SSW	.8	.8	1.2	.7	.1							3.5	7.6
SW	.9	2.0	3.5	2.8	.6	.0						9.8	9.5
WSW	.4	1.1	2.4	2.2	.6	.1						6.9	10.2
W	1.1	2.7	2.9	2.5	.8	.4		.0				10.4	9.4
WNW	.3	.7	.4	.6	.0	.0						2.2	8.6
NW	.4	.8	1.2	.8	.4	.1						3.6	9.6
NNW	.2	.2	.6	.7	.1							2.1	9.5
VARBL	.9	.0										1.0	1.9
CALM												14.6	
	14.6	22.0	26.1	17.6	4.3	.9		.0				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2222

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010  
STATION

KIESBADEN AB GERMANY  
STATION NAME

47-7C  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.3	1.8	.4								4.4	6.8
NNE	.4	1.0	1.1	.4								2.9	7.1
NE	.8	1.9	2.1	.9	.6	.1						6.5	8.6
ENE	1.2	2.5	2.6	1.1	.3	.0						7.8	7.6
E	2.7	4.4	3.7	1.7	.1	.0						12.6	6.6
ESE	.5	1.1	.6	.3								2.6	5.8
SE	1.0	.5	.0									1.5	3.5
SSE	.6	.4	.2									1.3	4.2
S	2.1	3.0	2.2	.6	.0							8.0	5.9
SSW	.8	.8	1.3	.6	.1							3.6	7.4
SW	.9	2.2	3.7	2.0	.1	.1						9.0	8.5
WSW	.4	1.4	2.0	2.2	.4	.1						7.7	9.7
W	1.2	1.8	2.5	3.0	.9	.1	.0					9.4	9.9
WNW	.2	.6	1.0	.6	.0	.2	.0					2.6	10.1
NW	.3	.7	.8	.7	.1	.0						2.6	8.8
NNW	.4	.5	.3	.4	.1	.0						2.3	8.7
VARBL	.5	.1										.6	2.0
CALM												14.7	
	14.8	24.3	27.3	15.0	3.0	.9	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 2232

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

\*IESBADEN AB GERMANY  
STATION NAME

47-70  
YEAR

JAN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L & T)

CONDITION

SPEED (KNOTS) [1]	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.3	1.5	1.2	.3		.0						4.8	5.4
NNE	1.3	1.2	1.4	.4								4.3	6.2
NE	1.6	1.8	2.1	1.3	.4	.2	.0					7.3	8.1
ENE	1.3	2.0	2.2	1.3	.4							7.2	7.9
E	3.3	3.3	3.1	1.6	.2	.0						11.3	6.5
ESE	1.1	.7	.1									1.9	3.4
SE	.7	.7	.1									1.4	4.0
SSE	.2	.4	.2	.1								1.9	4.7
S	1.3	3.0	2.2	.6	.1							7.1	6.4
SSW	.6	.8	1.3	.5	.1							3.4	7.5
SW	.7	2.6	3.0	1.9	.3							8.5	8.2
WSW	.5	1.9	1.9	1.7	.4	.0						6.5	8.9
W	.8	2.8	2.3	2.3	.5	.1						8.7	8.8
WNW	.5	.7	.8	.5	.1	.0						2.6	7.5
NW	.5	1.0	.9	.7	.1							3.1	7.7
NNW	.6	.5	.4	.4		.0						2.0	6.8
VARBL	.3	.0										.5	2.1
CALM												19.0	
	17.6	24.9	23.1	13.4	2.5	.5	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2231

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 35010 STATION NAME WIESBADEN AB GERMANY YEARS 47-70 MONTH JAN  
CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.7	1.1	.4								4.9	5.6
NNE	.9	1.1	1.6	.3	.0							3.9	6.4
NE	1.4	1.8	1.9	1.1	.4	.0						6.7	7.7
ENE	2.5	2.2	2.4	1.7	.4							8.7	7.7
E	2.5	3.2	3.8	1.1	.3	.1						11.0	7.0
ESE	1.3	1.0	.2									2.2	4.0
SE	.5	.5	.2									1.3	4.0
SSE	.7	.9	.2	.0								1.8	4.6
S	2.0	2.6	1.7	.6	.0							6.9	5.9
SSW	.5	1.2	.9	.2	.0							3.2	6.1
SW	.8	2.1	3.1	1.7	.2							7.8	8.5
WSW	.5	1.7	2.3	1.5	.4	.1						6.5	8.9
W	1.3	2.5	2.4	1.9	.3	.1	.0					8.4	8.3
WNW	.7	.8	.8	.4	.1	.0						2.7	7.3
NW	.4	1.0	.5	.9	.1							2.9	8.2
NNW	.3	.4	.6	.5								1.6	7.1
VARBL	.5											.5	1.9
CALM												19.0	
	18.3	24.5	23.5	11.9	2.3	.4		.0				100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 2230



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

47-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.5	1.3	.1		.0						6.2	5.1
NNE	1.5	1.6	.8	.4								4.2	5.6
NE	1.4	2.0	1.7	1.3	.6	.2						7.8	8.8
ENE	1.1	1.7	3.3	2.6	.2	.1						9.1	8.9
E	2.0	2.8	2.5	1.5								8.7	6.7
ESE	.3	.7	.0									1.1	4.0
SE	.7	.6										1.3	3.6
SSE	.3	.3	.1	.1								1.1	4.7
S	1.5	2.4	1.6	.5	.0							6.0	6.1
SSW	.6	.6	1.2	.2								2.7	6.7
SW	.7	1.3	2.0	1.0	.2							5.2	7.9
WSW	.6	1.4	1.6	1.5	.1							5.3	8.6
W	1.3	2.9	3.2	1.4	.3	.0						9.2	7.7
WNW	.8	1.0	1.0	.4	.2	.0						3.4	7.3
NW	1.1	.7	1.1	.3	.1							3.4	6.6
NNW	.5	1.0	.6	.1		.0						2.3	6.2
VARBL	.9	.0										1.0	1.9
CALM												21.8	
	18.0	23.8	22.1	12.0	1.8	.5						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

2034

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

47-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.3	1.6	.3								6.3	5.5
NNE	1.1	1.0	1.3	.4			.0					3.8	6.7
NE	1.1	1.3	1.8	1.6	.8							6.6	9.3
ENE	.7	2.2	3.2	2.9	.0							9.0	8.8
E	2.3	3.6	3.1	1.2								10.1	6.2
ESE	.4	.3	.1									.9	4.1
SE	.5	.3	.2									1.1	4.5
SSE	.3	.2	.3	.0								1.6	5.6
S	1.4	2.4	1.1	.5								5.4	5.7
SSW	.4	.9	.8	.4	.1							2.6	7.5
SW	.5	1.4	2.4	1.4	.1							5.8	8.2
WSW	.4	.9	2.0	.8	.5	.0						4.7	9.3
W	1.5	3.1	2.3	2.2	.1	.1	.0					9.4	8.0
WNW	.9	1.6	.6	.5	.2	.0						4.0	7.2
NW	.5	.9	1.0	.6	.0							3.1	7.5
NNW	.5	.8	.5	.3	.1	.0						2.4	7.0
VARBL	.7											.7	1.6
CALM												22.4	
	15.5	24.0	22.5	13.2	2.1	.3	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2034

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3501C  
STATION

WIESSADEN AB GERMANY  
STATION NAME

47-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0600-1800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.2	1.0	.4								4.5	5.4
NNE	.9	1.7	1.5	.5								4.6	6.4
NE	.9	1.4	1.1	2.0	.4							5.9	9.1
ENE	1.3	2.3	3.8	1.7	.1							9.2	7.8
E	2.4	3.7	3.8	1.4	.0							11.4	6.6
ESE	.8	.5	.1									1.5	4.1
SE	.7	.7	.1									1.6	4.2
SSE	.7	.8	.3	.0								1.9	4.9
S	1.3	1.5	1.3	.4								4.7	5.8
SSW	.4	.9	.9	.1								2.4	6.2
SW	1.0	1.7	2.3	1.2	.3							6.6	8.2
WSW	.4	1.2	1.8	1.2								4.6	8.4
W	1.3	2.9	2.5	2.1	.1	.1	.1					9.1	8.2
WNW	.7	1.0	.9	.7	.1	.0						3.4	7.7
NW	.9	1.4	.6	.5	.2	.0						3.6	7.3
NNW	.7	.8	.7	.3	.1							2.6	6.8
VARBL	.3	.1										.4	2.3
CALM												21.9	
	15.7	24.2	22.7	12.7	1.5	.2	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2024

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

47-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	1.1	.8	.1	.0						4.6	7.2
NNE	.8	.9	1.6	.6	.0							3.6	7.4
NE	1.0	1.1	1.1	1.3	.5	.2						5.3	9.8
ENE	.8	2.0	3.6	2.5	.5							9.4	9.2
E	2.0	2.7	5.3	2.6	.2							12.7	7.9
ESE	.6	1.5	.9	.1								3.2	5.6
SE	.9	1.1	.2									2.3	4.3
SSE	1.4	1.1	.2	.1								2.9	4.4
S	1.2	1.7	1.4	.4								4.9	6.0
SSW	.5	.7	.7	.2								2.1	6.4
SW	.6	1.3	1.4	1.1	.2	.1						4.8	9.0
WSW	.9	1.2	2.3	1.6	.3	.0	.0					6.4	9.0
W	1.0	2.1	2.9	2.9	.3	.1						9.4	9.1
WNW	.6	.7	.9	.7		.1						3.1	8.0
NW	.3	.9	1.3	.8	.1	.0						4.0	7.8
NNW	.5	.6	.6	.6	.0	.0						2.6	7.8
VARBL	.3	.1										.6	2.4
CALM												18.2	
	15.2	21.3	25.6	16.4	2.4	.8	.0					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

2034

DATA PROCESSING DIVISION  
EJAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

RIESENWALD AB GERMANY  
STATION NAME

47-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	1.7	1.1								4.6	8.0
NNE	.2	.6	.9	.4	.1							2.1	5.6
NE	.3	.9	1.3	1.5	.4	.2	.0					4.8	11.0
ENE	.2	1.5	4.2	3.1	.3							9.3	9.8
E	2.0	4.2	5.7	2.5	.1							14.5	7.5
ESE	.3	1.4	.5	.2								2.9	5.4
SE	1.6	1.4	.1	.0								3.2	4.0
SSE	1.1	1.4	.5	.0	.0							3.1	4.8
S	1.2	2.7	1.9	.6								6.2	6.3
SSW	.5	1.0	1.0	.5								3.0	7.2
SW	.4	1.2	2.0	2.2	.2	.1						6.1	9.8
WSW	.5	1.0	1.8	2.2	.9	.2	.1					6.9	11.3
W	1.2	1.5	2.2	4.3	.9	.1						10.1	10.8
WNW	.6	.6	.7	1.5	.2	.1	.0					3.8	10.2
NW	.5	1.1	.9	1.4	.1	.1						4.2	9.0
NNW	.3	.8	1.1	.9	.0							3.1	8.6
VARBL	.4	.1										.6	2.8
CALM												11.5	
	12.5	22.3	26.0	22.5	3.4	.9	.2					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 2034

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

47-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) D.K.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.1	1.8	.5	.0	.0						4.0	7.7
NNE	.5	.4	1.4	.5	.0	.0						2.9	8.2
NE	.9	1.9	2.8	1.8	.5	.2	.0					8.1	9.4
ENE	1.2	2.2	4.1	2.0	.2							9.6	8.2
E	1.9	3.5	3.9	1.6	.0							11.0	6.8
ESE	.8	1.1	.7	.1								2.7	5.3
SE	.2	.9	.0									1.8	3.9
SSE	.6	.9	.4	.1								2.3	5.3
S	1.3	3.3	2.1	.7								8.2	6.0
SSW	.4	.6	1.1	.7	.0							3.2	7.8
SW	.3	.8	2.0	1.7	.1	.0						5.0	9.9
WSW	.6	1.2	2.1	1.9	.5	.3						6.4	10.4
W	.6	1.9	2.9	3.6	.5	.2						9.8	10.1
WNW	.4	1.0	1.5	1.2	.4							4.9	9.2
NW	.5	1.3	1.3	1.4	.3	.0		.0				4.9	9.5
NNW	.2	.8	1.0	.5								3.1	8.2
VARBL	.4	.1										.5	2.5
CALM												11.9	
	12.6	23.4	29.8	18.4	2.8	.9	.0	.0				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

2032

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

25010  
STATION

IESBADEN AB GERMANY  
STATION NAME

47-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.4	1.0	.3	.0							5.7	5.4
NNE	1.5	2.0	2.0	.6	.2	.0						6.2	6.7
NE	1.3	2.2	2.1	1.6	.4	.2	.0					7.9	8.5
ENE	1.2	1.9	2.7	2.0	.2							8.0	8.0
E	2.7	2.6	2.1	.8	.1							8.4	6.0
ESE	.5	.8	.3	.1								1.7	5.3
SE	.4	.3										.7	3.5
SSE	.4	.5	.3	.1								1.3	5.9
S	1.3	3.0	2.7	.8	.0							7.9	6.4
SSW	.4	1.0	.8	.2								2.6	6.3
SW	.9	2.0	2.6	.9	.0							6.4	7.3
WSW	.4	1.4	2.2	1.4	.2	.1						5.7	8.9
W	.9	3.0	3.0	2.0	.6	.0						9.7	8.5
WNW	.3	1.1	1.0	.4	.2							3.0	7.9
NW	.4	1.0	1.2	1.0	.2							3.9	8.8
NNW	.7	.9	1.0	.3	.0							3.0	6.6
VARBL	.4											.4	1.9
CALM												17.5	
	13.9	26.4	25.0	12.7	2.2	.4	.0					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

2034

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/TAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

47-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.9	1.5	.2	.0							6.1	5.5
NNE	2.0	1.5	1.5	.4	.1							5.6	5.8
NE	2.1	1.8	1.9	2.2	.6	.1						8.7	5.6
ENE	.9	2.6	2.9	2.1	.4							8.9	8.4
E	2.3	2.9	3.1	1.2	.0							9.6	6.5
ESE	.7	.2										.9	3.3
SE	.4	.8	.0									1.3	4.4
SSE	.3	.2	.2	.3								1.1	6.2
S	1.3	2.2	1.5	.5								5.5	6.0
SSW	.7	1.1	.6	.1	.0							2.7	5.9
SW	.5	2.2	2.0	1.3								5.1	7.6
WSW	.4	1.6	2.3	1.4	.1							5.8	8.2
W	1.4	2.7	2.8	1.2	.5		.1					8.7	7.8
WNW	1.0	1.0	.8	.4	.0							3.3	6.5
NW	.6	.9	.9	1.0	.1	.1						3.7	8.9
NNW	.5	.7	.8	.2	.0	.0						2.5	6.8
VARBL	1.0	.0										1.1	2.1
CALM												18.5	
	13.1	25.4	22.9	12.6	2.1	.3	.1					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

2034



DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/440

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

35010  
 STATION

WIESBADEN AB GERMANY  
 STATION NAME

46-70  
 YEARS

VAR  
 MONTH

ALL WEATHER  
 CLASS

0000-0200  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	3.0	1.5	.2	.0							7.1	5.1
NNE	1.2	2.0	1.3	.7	.2	.1						5.5	7.1
NE	1.4	3.1	2.3	2.1	.3	.0						9.2	7.8
ENE	.8	2.5	3.5	2.5	.3	.0						9.5	8.5
E	1.2	2.7	2.5	2.5	.3							9.7	8.2
ESE	.5	.4	.1									1.0	4.0
SE	.2	.4		.0								.6	4.5
SSE	.2	.3										.4	3.8
S	.3	.8	.5	.1								1.8	5.7
SSW	.2	.6	.6	.1		.0						1.5	5.9
SW	.4	1.1	2.1	.5								4.2	7.3
WSW	.4	1.4	1.9	1.4	.4	.1						5.6	9.3
W	1.4	2.5	2.3	1.9	.3	.0						8.5	7.8
WNW	1.2	1.2	1.1	.5								4.0	6.1
NW	1.8	1.3	1.4	.4	.1	.0		.0				3.1	6.6
NNW	.9	1.8	1.2	.3								4.3	6.2
VARS	.9	.3										.9	2.1
CALM												21.0	
	15.3	25.3	22.7	13.4	1.9	.4		.0				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

2322

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 35010 WIESSBADEN AP RMAHY 46-70 YEARS MONTH MAR  
STATION NAME CLASS ALL WEATHER HOURS (LST) 0300-0500  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.9	1.5	.3								7.1	5.2
NNE	1.3	2.1	1.6	.9	.0							5.6	6.8
NE	1.2	2.2	2.2	.6	.2	.2						7.7	8.2
ENE	.9	2.5	3.4	2.5	.3							9.5	8.6
E	1.1	2.6	3.0	2.2	.3							9.2	8.1
ESE	.9	.3	.1	.0								1.3	3.8
SE	.5	.3	.0									.8	3.8
SSE	.5	.2	.1									.7	4.1
S	.7	1.2	.6	.2								2.7	5.6
S.W.	.3	.5	.6	.3								1.8	7.3
SW	.4	1.2	1.3	.8	.0	.1						3.8	8.1
WSW	.5	1.4	2.0	1.2	.3	.2						5.6	8.9
W	1.9	2.4	2.8	1.6	.3							9.0	7.4
WNW	1.1	1.2	.7	.5	.1							3.5	6.4
NW	1.7	1.5	.8	.3	.1							4.6	5.7
NNW	1.2	1.2	1.1	.5	.3	.0						4.3	7.2
VAR:IL	.5											.5	1.5
CALM												22.3	
	16.6	23.0	21.8	13.2	1.9	.5						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0600-0700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.7	2.5	1.8	.3								6.4	5.6
NNE	.8	1.8	1.6	.7	.0	.0						5.0	7.1
NE	1.4	2.6	1.9	1.7	.3	.0						7.8	7.8
ENE	1.0	1.9	3.3	3.0	.3							9.6	9.0
E	1.6	2.9	3.6	2.3	.1							10.3	7.7
ESE	.6	.5	.2	.1	.0							1.3	5.0
SE	.7	.6										1.3	3.4
SSE	.2	.4	.1									.8	4.5
S	.7	.8	.9	.2								2.3	6.1
SSW	.3	.6	.9	.3								2.2	7.3
SW	.6	.9	1.7	.7	.3	.0						4.2	8.6
WSW	.6	1.4	1.4	1.2	.4	.1						5.1	9.1
W	1.1	2.2	2.8	1.9	.1							8.1	7.8
WNW	1.4	1.2	.6	.6	.0							3.8	6.1
NW	1.7	1.7	1.0	.5	.0							5.0	5.9
NNW	.8	.6	.8	.6	.1	.1	.0					3.0	8.2
VARBL	.3	.1										.6	2.0
CALM												22.6	
	15.9	22.6	22.7	14.2	1.7	.3	.0					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING DIVISION  
ETAL/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 35010 WIESBADEN AB GERMANY YEARS 46-70 MONTH MAR  
STATION NAME CLASS ALL WEATHER HOURS (L & T) 0900-1100  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.5	1.8	.4		.0						4.4	7.0
NNE	.4	.7	.8	.8	.1							2.8	8.4
NE	.9	1.2	2.1	2.2	.5	.1						6.9	9.7
ENE	.4	1.2	3.6	3.4	.4							9.1	9.9
E	1.8	3.2	5.9	3.5	.4	.0						14.9	8.4
ESE	1.1	.9	.6	.2	.0							3.0	5.6
SE	.2	1.1	.1	.1								2.2	4.3
SSE	.7	.5	.3	.0								1.9	4.7
S	1.0	1.5	1.0	.3								3.9	5.7
SSW	.5	.6	.6	.8	.1							2.7	8.2
SW	1.1	1.0	1.6	1.5	.7	.1						6.0	9.4
WSW	.6	1.0	2.1	1.9	.5	.1						6.2	9.8
W	1.4	2.0	2.8	2.2	.6	.2						9.0	9.0
WNW	1.0	.6	.9	.7	.0							3.3	7.3
NW	.9	.9	1.0	.9	.3	.0						4.1	7.9
NNW	.4	1.0	1.3	1.3	.1	.1						4.3	9.0
VARBL	.8	.2										1.0	2.3
CALM												14.3	
	14.5	19.7	26.8	20.3	3.7	.6						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	2.0	.8	.1							4.3	8.0
NNE	.3	.4	1.2	.6	.1	.0						2.7	9.2
NE	.2	1.1	2.5	1.7	.6	.2						6.2	10.6
ENE	.3	1.6	3.1	2.5	.4							8.0	9.5
E	1.3	3.5	4.9	3.3	.4	.0						13.5	8.5
ESE	.4	1.5	1.4	.7	.1							4.1	7.5
SE	.9	1.4	.4	.1								2.7	4.8
SSE	1.2	.7	.3	.0								2.2	4.5
S	1.7	2.5	1.7	.6	.0							6.6	6.1
SSW	.9	1.1	1.2	.9	.3							4.3	8.1
SW	.9	1.4	1.6	2.8	.9	.2						7.7	10.5
WSW	.3	.8	1.7	2.7	.8	.1	.1					6.5	11.8
W	.5	1.0	2.3	3.0	.9	.2						7.9	11.2
WNW	.6	.6	1.3	1.3	.5	.0						4.3	9.9
NW	.4	.7	1.8	1.7	.7	.1						5.4	10.7
NNW	.5	.5	1.7	1.1	.1							3.6	9.0
VARBL	1.2	.4										1.5	2.6
CALM												8.2	
	11.9	20.3	29.0	23.8	5.9	.9	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

RIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

VAR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56 - 63	%	MEAN WIND SPEED
N	.5	1.2	1.9	.9	.1							4.5	8.0
NNE	.3	.7	1.1	.5	.2	.0						2.9	9.0
NE	.5	2.4	3.1	2.5	.6	.3						9.5	9.6
ENE	.6	1.6	3.2	1.6	.2	.0						7.2	8.7
E	1.1	2.8	5.5	3.1	.1							12.5	8.5
ESE	.3	.7	1.2	.8								3.1	8.0
SE	1.0	1.1	.5	.0	.1							2.7	5.1
SSE	.7	1.0	.4									2.1	4.8
S	1.0	2.2	1.5	.9	.1							5.7	6.8
SSW	.4	.7	.9	.8	.1		.0					2.9	8.9
SW	.4	1.3	2.0	3.0	.7	.1						7.4	10.7
WSW	.6	.6	1.9	2.5	.3	.0						6.0	10.2
W	.7	1.6	2.3	4.0	1.3	.1						9.8	10.7
WNW	.2	.5	1.3	1.2	.3	.1						3.7	10.8
NW	.7	.9	2.5	2.3	.4	.2						7.0	10.1
NNW	.4	.8	1.4	1.4	.3	.0						4.4	9.6
VARBL	.6	.3										.9	2.9
CALM												7.7	
	10.2	20.4	30.7	25.4	4.6	1.0	.0					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

10 AR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.2	2.4	.8	.2							7.2	6.9
NNE	1.4	1.5	1.6	.5	.1	.1						5.2	6.9
NE	2.3	3.4	3.1	2.0	.6	.1						11.6	7.7
ENE	.9	2.8	3.1	1.2	.3	.0						8.4	7.8
E	2.4	3.0	3.3	1.0								10.3	6.3
ESE	.4	.6	.7	.3								2.0	6.7
SE	.6	.6	.4									1.5	4.6
SSE	.2	.3	.2									.7	5.3
S	.7	2.0	.6	.3	.1							3.6	5.8
SSW	.5	.9	.7	.6	.1							2.8	7.9
SW	.4	1.2	2.0	1.6	.3							5.6	9.2
WSW	.5	1.4	2.0	1.9								5.8	8.7
W	.5	2.3	3.1	1.8	.3	.1						8.4	8.8
WNW	.6	1.0	1.3	.9	.3	.0						4.1	.7
NW	.9	1.9	1.8	1.3	.2							6.0	7.8
NNW	.8	1.2	2.4	.7	.0							5.1	7.4
VARBL	.3	.0										.3	2.3
CALM												11.2	
	15.2	27.0	28.6	14.9	2.6	.5						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEAR

MAR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	3.1	1.9	.7	.0							5.0	5.5
NNE	1.4	2.4	1.7	.3	.2	.0						6.0	6.3
NE	1.7	2.7	3.0	2.6	.6	.2						10.8	8.6
ENE	1.1	2.7	3.1	1.9	.1	.1						9.0	7.9
E	1.9	2.6	2.7	2.3	.3							9.8	7.7
ESE	.5	.3	.3	.1								1.4	5.3
SE	.3	.4		.0								.8	4.3
SSE	.2	.3	.1									.6	5.1
S	.9	1.2	.4	.2	.0	.0						2.8	6.1
SSW	.2	.6	.3	.1	.0							1.1	6.3
SW	.6	1.6	2.2	.9	.2		.0					5.6	8.2
WSW	.2	.9	1.9	1.2	.3							4.4	9.3
W	1.6	4.2	2.5	1.2	.2	.0						7.9	7.3
WNW	.7	1.2	.3	.6			.0					3.9	7.3
NW	1.2	1.9	1.2	1.1	.1	.0						5.6	7.1
NNW	.9	1.2	1.2	.6	.0							3.9	6.6
VARBL	.7											.7	2.0
CALM												16.8	
	6.8	26.3	23.6	13.9	2.1	.4	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

2322



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

25010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.0	2.0	.9	.1							9.8	6.2
NNE	1.7	2.6	2.3	.7	.1							7.4	6.4
NE	1.7	2.4	2.5	.8	.2							8.6	7.6
ENE	1.6	1.4	2.1	1.1	.1							6.3	7.2
E	2.5	1.6	1.3	.3	.1							6.4	5.9
ESE	.3	.1	.2	.2								1.0	6.3
SE	.4	.4	.0									.8	3.6
SSE	.4	.4	.2	.1								1.0	5.7
S	.9	1.1	.7	.4	.1							3.1	6.3
SSW	.6	1.0	1.0	.1								2.7	6.0
SW	.7	1.6	1.8	.7								4.7	7.3
WSW	.7	1.5	.8	.6	.1	.1						3.8	7.4
W	.9	2.9	1.7	.9	.3							7.8	6.7
WNW	1.2	1.5	1.4	.6		.0						4.8	6.5
NW	1.3	2.2	1.4	.8	.1							5.8	6.5
NNW	1.3	1.4	1.2	.5	.0							4.5	6.2
VARBL	.8		.0									.9	2.1
CALM												20.4	
	20.2	26.2	21.6	10.2	1.3	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

2250

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35019  
STATION

RIESEBACH AB GERMANY  
STATION NAME

46-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

C300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.3	2.7	.9	.0							9.2	6.0
NNE	1.9	2.7	1.8	.8	.1	.1						7.4	6.2
NE	1.6	2.3	2.8	1.6	.0							8.4	7.4
ENE	1.2	1.6	2.1	.7	.1							5.7	6.8
E	2.5	1.3	1.3	.5	.0							5.7	5.5
ESE	.4	.5	.1	.1								.9	4.8
SE	.4	.4	.0									.9	4.0
SSE	.3	.4	.2	.3								1.0	5.3
S	.8	1.6	.6	.3	.1							3.4	6.0
SSW	.3	1.5	.6	.1	.0							2.4	6.1
SW	1.1	1.4	.8	.4	.0							3.8	6.1
WSW	.8	1.4	1.4	.6	.2	.1	.0					4.6	7.8
W	1.8	2.3	2.3	1.2	.1							8.2	6.6
WNW	1.4	2.1	.8	.1								4.4	4.9
NW	1.3	2.0	2.3	.6								5.6	6.6
NNW	1.2	2.0	1.5	.6	.0							5.3	6.4
VARBL	.5	.0	.0									.6	2.4
CALM												22.5	
	22.5	26.5	21.0	6.5	.9	.2	.0					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

RIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	2.4	3.0	.9	.1							8.3	6.6
NNE	.8	1.9	2.3	1.0	.1	.1						3.8	7.9
NE	1.1	1.7	2.2	1.9	.3							7.3	8.3
ENE	1.0	.7	1.6	1.6	.2							6.1	7.9
E	2.0	1.9	1.7	.9								6.5	6.3
ESE	.9	.5	.2	.0								1.6	4.4
SE	.6	.6	.1									1.2	3.8
SSE	.5	.7	.5	.3								1.9	6.1
S	1.6	1.5	.7	.4	.0							4.1	5.4
SSW	.6	.7	.8	.3	.1							2.7	6.9
SW	.6	2.2	1.8	.4	.1							5.1	6.8
WSW	.2	.9	1.4	1.0	.2	.0						4.3	8.5
W	2.3	2.5	2.1	1.2	.2	.3						8.4	6.7
WNW	1.5	1.3	.8	.3								4.1	5.2
NW	1.2	1.8	1.6	1.2		.0						5.8	7.0
NNW	.5	1.0	1.1	.5	.1							3.2	7.6
VARBL	.6	.1	.1	.0								.8	3.2
CALM												22.7	
	18.5	23.2	21.9	11.9	1.4	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

2246

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/40

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 STATION RIESBADEN AB GERMANY 46-70 YEARS APR  
0900-1100 HOURS (L.S.T.)

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	3.4	1.5	.4							7.3	9.1
NNE	.2	.8	1.8	1.1	.1							4.3	9.3
NE	.3	.7	1.8	1.7	.6	.1						5.3	10.8
ENE	.4	.8	2.1	2.2	.3	.1						5.9	10.3
E	.5	2.8	3.9	2.4	.4							10.4	8.3
ESE	.5	1.0	1.0	.3								2.9	6.6
SE	1.3	1.1	.3	.0								2.8	4.0
SSE	1.2	1.5	.4	.3								3.3	5.2
S	2.2	2.4	1.3	.5								6.5	5.4
SSW	1.0	1.0	.9	.6	.4	.2						3.9	8.1
SW	1.7	2.0	2.2	1.7	.4	.3						8.1	8.0
WSW	.9	1.2	2.2	1.6	.4	.2						6.4	9.2
W	1.2	2.1	2.6	1.7	.6	.1						8.3	8.5
WNW	.5	.8	1.1	1.2	.2	.1						3.9	9.3
NW	.5	.6	1.8	1.3	.0							4.3	8.9
NNW	.1	1.0	1.7	1.2	.3	.1						4.5	9.6
VARB	1.9	.5	.3		.0							2.4	3.4
CALM												9.8	
	15.2	21.9	28.7	19.5	4.1	.8						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 2246

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	2.1	2.2	.2							6.1	9.6
NNE	.2	.9	1.0	1.2	.2							3.6	9.7
NE	.5	1.2	1.5	2.4	.4	.2						6.1	10.8
ENE	.5	.2	2.2	1.8	.3	.1						5.7	9.7
E	.8	2.5	3.6	2.0	.0							9.0	9.2
ESE	.5	1.3	1.4	.4								3.6	6.8
SE	.7	1.1	.5	.2								2.6	5.5
SSE	.6	1.1	.5	.5	.0							2.8	6.7
S	1.8	2.9	2.0	.4	.1							7.3	6.0
SSW	.8	1.5	1.6	1.2	.1	.1						5.6	8.2
SW	1.1	1.6	3.4	3.0	.6	.2						9.9	9.7
WSW	.8	1.2	1.6	2.1	.4	.4						5.7	10.2
W	.7	1.5	2.6	3.3	.5	.0						5.7	9.9
WNW	.4	.9	.9	1.3	.4	.1						3.7	10.8
NW	.1	.8	2.2	1.8	.3	.0						5.3	10.1
NNW	.3	.7	2.0	1.8	.3	.0						5.2	10.1
VARBL	1.4	1.1	.3	.3	.0							3.2	4.9
CALM												5.2	
	11.3	22.0	30.1	26.1	4.0	1.2						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 2246

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

43-70  
YEAR

APR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
MOZT (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.4	2.7	2.5	.5							7.3	9.8
NNE	.2	.2	1.0	2.0	.3							3.7	11.3
NE	.5	1.3	1.6	2.4	.6	.1						6.4	10.6
ENE	.7	1.1	2.1	1.5	.2	.1						5.8	9.4
E	.6	2.4	2.8	1.2	.0							7.2	7.4
ESE	.4	1.1	1.1	.4								3.0	6.9
SE	.4	1.1	.6	.0								2.4	5.5
SSE	.4	.9	.6	.2	.1							2.4	6.7
S	1.0	3.1	2.7	.4	.1							7.3	6.5
SSW	.6	1.6	1.6	.6	.1							4.6	7.6
SW	.6	2.1	3.1	2.4	.6	.0	.0					9.2	9.5
WSW	.4	1.6	2.1	2.9	.5	.2						7.6	7.5
W	.6	2.0	3.0	3.5	.7	.2						10.0	10.1
WNW	.4	.5	1.5	1.7	.2	.1						4.4	10.1
NW	.2	.8	2.2	2.2	.4							5.9	10.2
NNW	.2	1.0	2.2	2.0	.3							5.7	10.1
VARBL	1.0	.7	.2	.2								2.2	4.7
CALM												4.6	
	8.8	22.8	31.9	25.1	4.9	.8	.0					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESS: DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

45-76  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (LST)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	3.2	2.5	1.9	.2							9.6	8.0
NNE	.8	2.0	1.9	1.5	.1							5.3	7.9
NE	1.1	3.2	2.5	2.0	.3	.0						9.2	8.0
ENE	1.2	1.0	1.0	.9	.2							5.2	7.4
E	2.3	2.3	1.7	.3	.0							6.4	5.5
ESE	.5	1.1	.4	.2								2.4	5.6
SE	.5	.0	.2									1.0	4.4
SSE	.5	1.1	.4	.2								2.3	5.6
S	1.4	1.9	1.0	.1								4.9	5.6
SSW	.5	1.0	1.1	.9								3.7	7.4
SW	.9	2.3	2.4	1.2	.3							7.2	7.9
WSW	.7	1.2	2.1	1.2	.4	.1						5.7	6.8
W	1.0	2.5	2.9	1.0	.3	.1						8.5	8.1
WFW	.3	1.0	1.5	.7	.1							4.4	7.2
WW	.4	2.0	2.5	1.7	.0							6.5	8.2
NNW	.5	1.0	2.5	2.1	.3							7.3	8.8
VARBL	.4	.2	.1	.0								.7	4.6
CALM												7.9	
	12.9	29.7	29.1	15.7	2.2	.3						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

2250

DATA PROCESS: - DI 'SIC.  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

AIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	ΣAN IND DEG
N	2.2	4.1	3.1	1.3	.1							10.9	6.6
NNE	1.9	3.1	2.3	.7	.4							8.3	6.8
NE	1.8	2.6	3.0	2.4	.3							10.4	7.8
ENE	1.2	1.8	1.7	.8	.3							5.8	7.2
E	2.2	2.2	.8	.2	.0							5.7	5.3
ESE	.2	.4	.3									1.0	4.6
SE	.4	.5	.1	.0								1.1	4.6
SSE	.4	.5	.2	.2								1.4	6.0
S	1.1	1.2	.3	.2								3.4	5.3
SSW	.2	.6	.5	.4								2.0	7.0
SW	1.1	1.5	1.9	.6	.1	.1						5.3	7.3
WSW	1.2	1.5	1.4	.6	.1	.1						5.0	7.4
W	1.7	2.4	1.9	.9	.2							7.2	6.7
WNW	.3	1.0	.8	.4								2.0	6.3
NW	1.2	2.1	2.4	.7	.2							6.6	7.0
NNW	1.1	2.0	1.9	1.2	.0							6.2	7.2
VAR BL	.5	.1	.2	.0								.8	4.1
CALM												15.8	
	19.4	28.2	23.5	11.2	1.7	.3						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2247



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/40

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	4.0	2.0	.7	.0							10.3	5.2
NNE	2.4	3.4	1.9	.5	.2	.0						8.4	5.9
NE	1.3	2.8	2.8	1.3	.5							9.2	7.4
ENE	1.2	2.1	2.5	1.6	.1							7.5	7.6
E	1.2	1.7	2.2	1.3								6.6	7.1
ESE	.4	.3	.2									.9	4.8
SE	.2	.3										.5	3.8
SSE	.3	.2	.0	.0								.5	4.4
S	.9	.9	.2	.1								2.1	4.5
SSW	.3	.7	.3	.0								1.3	5.5
SW	.7	.9	.3	.1		.0						2.2	5.4
WSW	.3	1.6	.8	.3								3.3	6.3
W	1.6	2.7	1.9	.8		.1	.0					7.3	6.7
WNW	1.1	1.3	.9	.3								3.6	5.4
NW	1.3	1.5	1.2	.6								5.0	6.6
NNW	2.0	1.4	1.2	.8								5.3	5.9
VARBL	.9	.1	.1									1.1	2.7
CALM												24.9	
	20.5	25.9	18.6	8.9	.9	.2	.0					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	3.4	2.0	.5	.0	.0						8.6	5.7
NNE	2.0	2.6	1.8	.6	.1	.0						7.2	6.1
NE	2.4	3.3	2.2	.9	.3	.0						9.1	6.5
ENE	1.2	2.0	2.3	.9	.2							6.7	7.2
E	1.7	1.4	1.8	.6	.0							5.6	6.3
ESE	.3	.4	.3									.9	5.0
SE	.5	.1										.6	3.2
SSE	.5	.4	.1									1.0	3.7
S	.6	.9	.3	.0		.0						1.9	4.9
SSW	.6	.7	.2									1.3	4.9
SW	.7	1.4	1.1	.1								3.3	5.9
WSW	.7	.9	.9	.4								2.9	6.0
W	1.8	3.0	1.3	.3	.1	.0						6.7	5.7
WNW	1.9	1.8	.7	.1								4.6	4.4
NW	1.7	2.2	1.2	.5	.0	.7						5.7	6.2
NNW	1.2	1.2	.6	.5	.1							3.6	6.0
VARBL	1.2	.1	.1									1.4	2.5
CALM												25.9	
	21.4	25.8	17.0	5.7	.9	.3						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ETAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010      AIESBADEN AB GERMANY      46-70      MAY  
STATION      STATION NAME      YEARS  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.0	2.2	.6	.1							6.9	6.3
NNE	1.0	1.6	1.8	.7	.1							5.3	7.1
NE	.9	2.1	2.1	1.5	.2	.1						6.9	8.2
ENE	1.1	1.8	2.1	1.4	.4	.0						6.8	8.2
E	1.4	1.6	2.8	1.6	.0							7.4	7.5
ESE	1.2	.5	.6	.1								2.3	4.8
SE	1.1	.4										1.5	3.1
SSE	.8	.4	.1									1.3	3.7
S	1.4	.9	.6	.0								2.9	4.4
SSW	.6	.9	.5									2.1	5.0
SW	.9	2.2	1.2	.5								4.7	6.2
WSW	1.5	1.7	1.2	.3	.0							4.9	5.8
W	2.1	3.5	2.0	.7	.0							8.3	5.9
WNW	1.4	2.2	1.1	.2								4.9	5.3
NW	1.2	1.5	1.3	.6	.0							4.6	6.4
NNW	1.2	1.5	1.3	.5	.0		.9					4.5	6.4
VARIABLE	1.0	.4	.1									1.5	3.0
CALM												23.1	
	20.2	25.8	20.9	8.6	1.0	.1	.0					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ACG

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010  
STATION

AIESHAGEN AB GERMANY  
STATION NAME

46-70  
YEARS

DAY  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (LST)

COORDINATE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9	2.2	.9	.1							5.7	7.6
NNE	.5	.9	1.7	1.2	.6							4.9	9.5
NE	.2	1.1	1.8	1.5	.4	.3						5.3	10.7
ENE	.5	1.4	2.5	2.1	.3	.1						8.9	9.5
E	.9	3.1	4.9	2.8	.3							12.0	8.4
ESE	.7	1.9	1.4	.6								4.6	6.5
SE	.3	1.3	.6	.0								2.9	4.9
SSE	.8	1.2	.5	.1								2.5	5.0
S	1.9	2.5	1.4	.2								6.0	5.1
SSW	.7	1.3	1.2	.1								3.4	6.0
SW	1.4	1.9	2.2	1.4	.1							7.0	7.5
WSW	.9	2.0	2.3	1.2	.3							6.7	7.9
W	1.1	2.1	2.8	1.8	.4	.0						8.2	8.3
WNW	.4	1.0	1.3	.6	.1							3.5	7.7
NW	.7	.5	1.8	1.1	.1							4.2	8.4
NNW	.7	.8	1.7	1.0	.0	.0						4.3	8.3
VARBL	2.5	.8	.3	.3	.0							2.9	4.0
CALM												8.0	
	15.3	25.3	30.7	16.9	2.8	.5						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	2.9	1.2	.2	.0						6.3	8.6
NNE	.5	1.1	1.2	1.3	.3							4.5	9.6
NE	.3	1.5	1.6	1.9	.5	.3	.1					6.4	10.9
ENE	.3	.9	1.7	1.8	.5	.0						5.3	10.2
E	1.1	1.9	3.4	2.7	.2	.0						9.4	8.7
ESE	.5	1.2	1.2	.3	.1							3.4	7.5
SE	.5	1.0	.7	.2								2.4	6.0
SSE	.6	1.2	.6	.3								2.7	6.2
S	1.2	3.1	2.7	.6								7.6	6.4
SSW	.2	1.8	2.0	.6	.0							5.2	6.9
SW	.5	1.7	3.1	1.5	.1							7.0	6.3
WSW	.6	1.4	2.2	1.9	.2	.1						6.4	8.9
W	.5	1.7	3.6	2.3	.3	.2						8.6	9.6
WNW	.5	1.4	1.1	1.1	.3							4.4	3.6
NW	.6	1.4	2.3	1.6	.2	.0						6.2	8.7
NNW	.4	1.0	2.0	1.0	.3							4.7	8.6
VARBL	2.2	1.2	.6	.3								4.4	4.7
CALM												5.3	
	11.9	24.8	33.1	20.7	3.3	.6	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.6	2.9	1.4	.1	.0						6.5	8.5
NNE	.3	1.1	1.9	1.5	.5	.1						5.4	10.1
NE	.4	1.5	2.1	2.4	.2	.3	.1					7.0	10.2
ENE	.3	.7	1.9	1.8	.2	.1						5.0	10.0
E	.8	2.3	3.1	2.1	.0							8.4	8.0
ESE	.3	.9	1.8	.3	.0							3.3	7.6
SE	.4	1.1	.6	.0								2.2	5.5
SSE	.7	1.6	.7	.1								3.1	11.4
S	1.5	2.8	1.8	.6	.0							6.8	6.0
SSW	.3	1.3	1.7	.6	.0							4.4	7.1
SW	.3	1.5	2.0	2.0	.2							5.9	9.3
WSW	.3	1.8	2.2	1.9	.3							6.5	8.8
W	.7	2.6	3.7	2.2	.5							9.6	8.6
WNW	.1	1.0	1.8	1.3	.4							4.6	9.9
NW	.9	1.0	2.3	1.9	.4	.1						6.6	9.4
NNW	.3	1.0	2.0	1.8	.3	.0						6.2	9.6
VARBL	1.5	.6	.6	.3								3.3	5.1
CALM												4.9	
	10.3	24.7	33.9	22.2	3.1	.6	.1					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

PIESSACEN AB GERMANY  
STATION NAME

46-70  
YEARS

MAY  
MONTH

ALL FEATHER  
CLASS

1600-2000  
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.1	3.7	1.5	.2	.3						10.3	7.4
NNE	.8	2.1	2.7	1.5	.2							7.2	8.5
NE	.9	2.7	3.1	1.9	.2	.2						9.0	8.5
ENE	1.1	1.6	2.5	1.5	.2	.1						7.0	8.4
E	1.4	2.5	1.8	.7	.0							6.4	6.2
ESE	.5	.9	.7	.5								2.4	6.4
SE	.6	.6	.2	.1								1.5	4.6
SSE	.5	1.1	.2	.0	.0							1.9	5.0
S	1.3	2.8	.9	.2	.0							5.3	5.2
SSW	.5	.7	.7	.3								2.2	6.8
SW	.6	1.6	2.1	.9								5.2	7.5
WSW	.6	1.4	1.9	.9	.1							5.1	7.6
W	1.3	2.5	3.0	1.5	.1							8.5	7.5
WNW	.3	1.3	1.8	.9								4.7	7.4
NW	.8	2.3	2.1	1.4	.2							6.7	7.7
NNW	.9	1.9	2.5	1.7	.2							7.2	8.4
VARBL	.9	.2	.3									1.5	3.5
CALM												3.0	
	15.3	29.4	30.1	15.4	1.5	.4						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

RIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

4AY  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	4.2	3.3	1.2	.0							11.5	6.1
NNE	2.2	4.2	3.4	1.2	.3	.0						11.3	6.8
NE	1.9	3.3	2.8	1.4	.2							9.6	7.0
SNE	1.6	2.2	1.9	1.4	.4							7.5	7.5
E	1.7	1.6	1.7	.5	.1							5.6	6.1
ESE	.2	.4	.3									.8	5.4
SE	.3	.2	.0									.5	3.9
SSE	.3	.2										.4	3.5
S	.9	.9	.4	.1								2.3	4.7
SSW	.0	.6	.2	.0								.9	5.7
SW	.4	1.5	1.1	.1		.1						3.1	6.5
WSW	.5	1.2	1.3	.3		.0						3.4	7.1
W	1.7	3.2	2.3	.5								7.7	5.9
WNW	1.3	1.5	.7	.3								3.7	5.4
NW	.8	1.6	1.9	.6	.0							5.1	7.1
NNW	1.4	2.9	1.4	.9	.3	.0						6.7	6.6
VARBL	.9	.1	.0									1.0	2.3
CALM												18.8	
	19.0	25.7	22.8	8.4	1.1	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2324



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35019  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	4.0	1.9	.2								9.9	4.8
NNE	1.9	3.2	1.5	.4								6.7	5.4
NE	1.7	2.2	1.8	.9	.0							6.7	6.3
ENE	1.2	1.7	2.0	.9								5.7	6.9
E	1.5	1.3	.9	.3								4.0	5.4
ESE	.4	.1	.0									.6	3.3
SE	.4	.5										.9	4.0
SSE	.4	.3	.2									.9	4.9
S	.7	1.6	.2	.0								2.5	4.6
SSW	.7	.6	.1	.0								1.6	4.9
SW	.7	1.4	.8	.1								2.9	5.4
WSW	.7	1.6	1.0	.4								3.7	6.1
W	1.7	3.2	1.8	.6								7.3	5.9
WNW	1.2	1.7	.6	.3								3.9	5.4
NW	2.4	3.3	1.7	.8								8.0	5.3
NNW	1.2	1.5	.8	.2	.1							3.8	5.7
VARBL	1.1	.1	.0									1.3	2.3
CALM												29.5	
	21.7	28.2	15.5	4.9	.1							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 2248

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 MESSAGE AB GER-AM 46-70  
STATION STATION NAME YEARS MONTH  
CLASS  
CONDITION  
0300-0500  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.5	1.0	.3								8.2	5.1
NNE	2.2	2.3	1.0	.2	.0							5.7	4.8
NE	1.3	2.0	1.5	.7								5.6	6.3
ENE	1.5	1.5	1.6	.6								5.3	6.2
E	1.0	1.4	.6	.2								3.3	5.4
ESE	.3	.1			.0							.5	4.6
SE	.7	.4	.0									1.2	3.7
SSE	.5	.2	.1									.8	3.4
S	1.1	.8	.4	.1								2.3	4.7
SSW	.3	.7	.4	.0								1.6	5.1
SW	.8	1.2	1.0	.4								3.4	6.1
WSW	.3	1.5	.8	.2	.0							3.5	5.8
W	1.9	2.8	1.1	.6								6.5	5.4
WNW	1.6	1.9	.7	.3								4.4	4.9
NW	2.3	3.2	1.5	.4								7.4	5.4
NNW	2.2	1.3	.7	.3	.0							4.5	4.7
VARBL	.8	.3										1.1	2.6
CALM												34.8	
	22.2	25.4	13.2	4.2	.2							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 2249

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/PAO

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 STATION NAME: WIESBADEN AB GERMANY 40-70 YEARS: JUN 0600-0800 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.6	2.3	.6								7.2	6.0
NNE	1.2	1.6	.9	.4								4.0	5.8
NE	.6	1.7	1.8	.9								5.1	7.4
ENE	.9	1.0	2.0	1.2								5.9	7.4
E	1.3	2.0	2.6	.8								6.8	6.7
ESE	.5	.5	.1	.0								1.4	4.0
SE	.6	.4	.1									1.2	3.4
SSE	.7	.5	.2									1.4	4.0
S	1.5	1.5	.5	.1								2.6	4.6
SSW	.4	.6	.6	.3								1.9	6.4
SW	1.1	1.8	1.4	.5	.1							4.9	6.5
WSW	1.3	2.0	1.4	.6								5.3	6.3
W	2.5	2.8	1.8	.9								8.0	5.9
WNW	1.5	1.7	1.7	.5								5.4	6.1
NW	2.2	2.1	1.6	.4	.0							6.4	5.6
NNW	.5	1.4	1.3	.3	.0							3.7	7.2
VARBL	1.0	.2	.1									1.3	2.8
CALM												26.4	
	20.0	25.2	20.4	7.8	.2							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ LC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 AIESBADEN AB GERMANY 46-75 JUN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0900-1100  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.9	1.6	.7	.1							5.1	7.0
NNE	.4	.7	.8	.4	.0							2.4	7.3
NE	.5	.8	1.7	.9	.1	.0						4.0	8.4
ENE	.3	1.1	3.1	1.9	.4							6.7	9.5
E	1.5	2.3	4.0	.5								9.4	6.7
ESE	.5	1.6	.9	.1	.0							3.2	5.9
SE	.2	1.3	.1	.0								2.4	4.4
SSE	.3	.9	.5									2.2	4.9
S	2.3	2.0	1.4	.1								6.2	4.8
SSW	.7	1.5	1.4	.5	.0							4.1	7.1
SW	1.1	2.8	2.2	1.9	.2							8.1	7.6
WSW	.2	2.8	2.2	1.6	.2							7.7	7.7
W	1.5	3.2	2.5	1.6	.2							10.2	7.4
WNW	.7	1.4	1.6	.3		.0						4.4	7.1
NW	.5	2.2	1.6	.6	.1							5.3	7.1
NNW	.4	1.9	1.7	.9								4.5	7.8
VARBL	1.0	1.2	.5	.2	.1							3.5	4.7
CALM												10.8	
	14.2	30.1	29.9	12.8	1.4	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 STATION 35010 STATION NAME GIESSEN AB GERMA 1 YEARS 46-70 MONTHS 1200-1400  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.7	2.0	.5	.1	.2						4.9	7.7
NNE	.2	.9	.9	.7								2.7	7.8
NE	.5	.2	1.8	1.0	.3							4.8	8.6
ENE	.4	1.0	1.8	1.3	.2							4.5	9.1
E	.9	1.7	2.2	1.2	.0							6.1	7.4
ESE	.5	.9	.8	.1								2.4	5.9
SE	.5	1.3	.3	.2	.0							2.2	5.3
SSE	.6	1.5	1.2	.2								3.4	6.3
S	1.3	2.8	1.5	.6	.1							6.4	6.2
SSW	.5	2.0	1.5	.9	.1							5.0	7.3
SW	.9	2.7	3.2	2.4	.2	.0						9.4	8.9
WSW	.5	2.5	2.7	2.5	.2	.1						8.6	8.9
W	1.2	2.9	4.6	2.7	.4	.1						11.9	8.8
WNW	.3	1.9	2.4	1.2	.1	.0						5.3	8.2
NW	.5	2.1	2.7	1.3	.0							6.7	7.8
NNW	.4	1.4	1.5	.9		.1						4.6	8.2
VARBL	1.6	1.3	1.0	.1								4.1	4.8
CALM												5.6	
	11.8	29.8	32.6	17.5	1.9	.4						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ETAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 35010 WIESBADEN AB GERMANY YEARS 46-70 MONTH JUN  
STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.4	2.9	.8								6.8	7.1
NNE	.5	1.2	1.5	.7	.1							4.0	7.8
NE	.4	1.7	1.5	1.4	.4	.1						5.6	9.3
ENE	.4	1.3	1.7	1.5	.1							5.0	8.9
E	.3	1.3	1.6	.7	.0							4.4	7.4
ESE	.4	.8	.4	.1								1.6	5.6
SE	.4	.8	.5									1.7	5.3
SSE	.5	1.5	.6	.0								2.6	5.4
S	1.1	3.9	2.4	.3								7.7	6.0
SSW	.4	1.5	1.0	.4	.0							3.3	6.7
SW	.9	2.2	3.1	1.6	.1							8.1	8.1
WSW	.7	2.0	2.7	2.5	.4							8.2	9.2
W	1.2	3.2	4.7	3.2	.2							12.3	8.4
WNW	.5	1.6	3.1	1.9	.2							7.3	8.7
NW	.5	2.4	2.7	1.6	.3							7.4	8.2
NNW	.4	1.9	2.6	1.7	.1	.0						6.8	8.7
VARBL	1.1	.9	.3	.4								2.6	5.3
CALM												4.5	
	10.4	30.2	32.3	18.9	2.0	.1						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 2249

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35019  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.9	2.7	.8								9.1	6.1
NNE	.6	2.0	1.7	.6								4.8	6.8
NE	1.0	2.6	2.1	1.4	.2	.0						7.3	7.9
ENE	.8	1.7	1.4	.8	.1							4.9	7.2
E	.8	2.0	1.1	.3								4.2	6.0
ESE	.4	.7	.2									1.4	4.3
SE	.8	.5	.1	.1								1.5	4.3
SSE	.5	1.1	.4									1.9	4.8
S	2.3	3.0	1.2	.2								6.7	5.0
SSW	.6	1.0	.7	.1								2.4	5.6
SW	1.0	2.0	2.2	.7								5.9	6.8
WSW	.8	1.6	1.8	1.0	.0							5.2	7.5
W	1.4	4.1	3.5	1.5	.1	.0						10.6	7.0
WNW	.7	1.8	2.7	.9	.1							6.3	7.7
NW	1.2	2.8	3.0	2.0	.0							9.0	7.6
NNW	1.2	2.7	3.1	1.3	.1			.0				8.5	7.4
VARBL	.8	.1	.0	.1								1.0	3.4
CALM												9.3	
	15.4	33.5	27.8	12.0	.8	.1		.0				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

2248

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 STATION AITSBADEN AB GERMANY 46-70 YEARS JUN NORTH  
2100-2300 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N	4.3	5.0	2.1	.6	.0							12.6	5.0
NNE	2.3	3.1	1.6	.6								7.8	5.3
NE	2.3	2.5	1.9	1.1	.0							7.9	6.4
ENE	1.1	1.4	1.1	.9	.2							4.7	7.5
E	1.2	1.4	.7	.1								3.3	5.1
ESE	.4	.3										.7	3.6
SE	.4	.3										.7	3.6
SSE	.3	.3	.1									.7	5.0
S	1.0	1.4	.4	.3								2.9	4.6
SSW	.2	.6	.4									1.6	5.1
SW	.8	1.2	1.0	.1		.0						3.1	6.1
WSW	1.1	1.4	1.4	.2		.0						4.1	6.0
W	2.0	3.3	2.2	.5		.0						8.0	6.0
WNW	1.2	1.6	1.6	.7	.1							4.9	6.2
NW	1.5	2.4	2.2	.3								6.5	5.8
NNW	1.5	2.2	2.0	.8								6.5	6.4
VARBL	.2	.2										1.0	2.4
CALM												22.9	
	23.0	29.2	18.7	5.7	.4	.1						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 2246



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

-IESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	3.4	1.6	.5								9.9	4.8
NNE	1.9	2.2	.5	.3								5.0	4.9
NE	1.1	1.7	1.2	.3								4.3	5.9
ENE	1.3	1.1	.8	.2								3.2	5.3
E	1.2	1.2	.7	.2								3.0	5.4
ESE	.3	.3	.2									.9	5.0
SE	.4	.2										.6	3.6
SSE	.4	.3										.7	3.3
S	.3	1.1	.1		.0							2.2	4.4
SSW	.7	.9	.1									1.7	4.1
SW	.7	1.7	.7	.1								3.2	3.3
WSW	1.1	1.4	.7	.2	.0							3.5	3.5
W	1.7	3.3	2.5	.5								8.6	5.9
WNW	1.8	1.9	1.2	.3	.1							5.3	5.5
NW	3.1	2.7	1.6	.8	.0							8.3	3.5
NNW	1.8	1.6	1.0	.3								4.8	5.1
VARBL	.3	.1	.1									.9	3.0
CALM												34.1	
	23.0	25.7	13.2	3.8	.2							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

2314

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

39010  
STATION

RIESBADEN AB GERMANY  
STATION NAME

45-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	3.1	1.2	.1	.1							7.9	4.5
NNE	1.3	1.9	.3	.5								4.1	5.5
NE	1.1	1.6	.7	.2	.0							3.6	5.2
ENE	.9	1.1	.8									2.5	4.6
E	1.2	.6	.4	.2								2.5	4.9
ESE	.5	.5	.1									1.1	4.0
SE	.4	.2	.0	.2								.8	5.5
SSE	.3	.1										.4	3.6
S	.7	1.5	.2	.0								2.5	4.4
SSW	.3	.9	.3	.0								1.6	5.0
SW	.6	1.9	.5	.2								3.2	5.3
WSW	1.0	2.0	.9	.2								4.2	5.6
W	2.7	3.6	1.6	.4	.1							8.3	5.4
WNW	2.3	2.5	.5	.2								5.2	4.7
NW	3.1	2.5	.9	.4	.0							6.0	5.2
NNW	2.1	1.6	.6	.1	.0							4.5	4.3
VARBL	.6		.3	.0								1.0	4.1
CALM												40.7	
	21.4	25.8	9.0	2.8	.5							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

2318

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ETAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 WIESBADEN AB GERMANY 46-70 JUL  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.3	1.8	.4	.0							6.2	5.7
NNE	1.0	1.2	.8	.1	.1							3.2	3.7
NE	.6	.9	.6	.3								2.4	6.2
ENE	.9	.9	1.4	.4								3.7	6.4
E	1.1	1.4	1.8	.5								4.7	6.5
ESE	.4	.3		.1								.9	4.8
SE	.7	.5										1.2	3.3
SSE	1.0	.6										1.6	3.2
S	1.3	2.2	.5	.0								4.1	4.6
SSW	.9	.7	.6	.1								2.4	5.2
SW	.5	1.4	1.5	.7								4.2	7.1
WSW	1.3	2.7	2.2	.3								6.5	6.2
W	2.3	4.1	1.7	.6	.1							9.5	5.4
WNW	1.7	2.3	1.3	.3								5.6	5.4
NW	1.5	2.2	1.2	.3	.0							5.5	6.0
NNW	1.7	1.4	1.2	.3	.0							4.6	5.6
VARBL	.6	.2	.1	.0								.9	3.5
CALM												32.9	
	19.9	25.5	16.8	4.9	.3							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 2317

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 35010 STATION NAME WIESBADEN AB GERMANY YEARS 46-70 MONTH JUL  
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.6	.5								4.1	7.0
NNE	.2	1.1	.8	.5								2.6	7.6
NE	.6	1.1	.7	.3	.0							2.8	6.7
ENE	.6	1.0	1.4	.3		.0						3.3	6.9
E	.9	3.2	3.0	.6								7.7	6.5
ESE	.6	1.0	.6	.1								2.4	5.7
SE	1.2	1.2	.3									2.8	4.2
SSE	1.5	1.2	.4	.0								3.1	4.2
S	1.5	2.9	1.3	.2								5.8	5.2
SSW	1.2	1.2	.9	.4								3.7	6.2
SW	1.4	2.2	2.7	1.5	.3	.0						8.1	7.7
WSW	1.3	2.8	3.0	1.9	.3	.0						9.4	7.9
W	1.1	4.2	5.0	2.3	.3	.0						13.0	8.0
WNW	.6	1.7	1.8	.6	.2							5.1	7.8
NW	1.0	1.7	1.8	.9	.0							5.5	7.1
NNW	.5	1.5	2.1	.6	.1	.0						4.8	7.7
VARBL	2.1	1.2	.4	.2								4.0	4.3
CALM												11.8	
	16.9	30.6	27.9	11.2	1.2	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ETAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 WIESBADEN AB GERMANY 45-70 JUL  
STATION STATION NAME YEARS MONTH  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.8	1.9	.8	.0							3.3	7.2
NNE	.4	.6	1.0	.5	.0							2.5	7.7
NE	.5	1.1	.8	.3	.0							2.8	6.5
ENE	.3	.9	1.2	.4	.0							2.8	7.5
E	.4	1.6	1.9	.2								4.4	6.3
ESE	.2	.8	.8	.1								2.0	6.4
SE	.9	.6	.5	.1								2.1	4.9
SSE	.8	.9	.7	.0								2.5	5.2
S	1.2	2.9	2.1	.3								6.5	6.0
SSW	.7	1.6	1.6	.9	.0							4.9	7.2
SW	.9	2.1	3.3	2.6	.5	.1						9.5	9.2
WSW	.6	1.5	3.7	3.3	.5	.1						9.7	9.8
W	.9	3.7	5.2	4.8	.9	.1						15.6	9.5
WNW	.5	2.1	2.5	1.6	.1	.0						6.8	8.4
NW	.6	1.8	3.1	1.2	.1							6.9	8.0
NNW	.6	1.6	1.3	1.0	.0							5.1	7.6
VARBL	1.5	1.5	.7	.2								3.9	4.9
CALM												7.0	
	12.2	27.2	32.7	18.4	2.2	.3						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/VAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010  
STATION #

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.1	2.2	1.2								6.5	7.2
NNE	.6	1.4	1.1	.8								4.0	7.1
NE	.6	1.2	1.2	.3	.1							3.4	6.8
ENE	.6	.8	1.2	.3								2.8	6.8
E	.3	1.1	1.2	.1								2.7	6.4
ESE	.4	.7	.9	.1								2.2	6.3
SE	.6	.7	.4	.0								1.7	5.1
SSE	.7	1.2	.3	.1								2.2	5.1
S	.7	2.6	1.2	.4	.0							5.2	6.1
SSW	.5	.9	1.4	.6								3.4	7.5
SW	.8	2.0	2.5	1.5	.3							7.4	8.6
WSW	1.0	1.9	3.9	3.3	.4							10.5	9.2
W	.8	3.6	5.8	5.1	.7	.2						16.2	9.4
WNW	.6	1.5	2.6	2.1	.2							6.9	9.0
NW	.8	1.7	3.0	2.5	.3							8.3	8.9
NNW	.9	1.6	3.4	1.7	.1							7.8	8.2
VARBL	1.6	1.2	.5	.2								3.6	4.5
CALM												5.2	
	12.7	26.4	32.8	20.6	2.2	.2						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

PIESBADEN AG GERMANY  
STATION NAME

45-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-3	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	3.7	3.4	1.6	.1						11.5	6.6
NNE	1.6	3.0	1.4	.5	.0	.2					6.6	5.9
NE	1.1	2.4	1.2	.2							4.9	5.7
SNE	.6	1.2	.7	.1							2.6	5.5
E	1.0	1.0	.7	.2	.0						3.0	5.6
ESE	.5	.7	.3	.1							1.5	5.8
SE	.4	.3	.1								.8	4.1
SSE	.6	.4	.1	.0							1.4	4.1
S	1.5	2.1	1.0	.1							4.8	4.8
SSW	.7	1.2	.6	.1							2.6	5.5
SW	.6	2.1	2.1	1.0	.0						5.8	7.4
WSW	.9	1.7	3.3	1.2	.0						7.2	7.7
W	1.6	3.7	4.6	2.4	.5	.1					12.9	8.1
WNW	1.2	2.8	3.7	1.1	.1						9.0	7.2
NW	.8	2.8	2.6	1.4	.3	.0					7.9	7.9
NNW	1.5	2.7	2.8	1.2	.1	.0					8.3	7.2
VARBL	.6	.2	.0	.1							1.0	4.3
CALM											8.1	
	18.0	32.1	26.7	11.6	1.2	.2					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

2320

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 STATION AIESBADEN AB GERMANY 46-70 YEARS MONTH JUL  
2100-2300 HOURS (LST)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	5.3	1.6	.7	.0							12.2	4.9
NNE	2.4	3.0	1.3	.4								7.3	5.2
NE	1.7	1.8	1.3	.3								5.1	5.5
ENE	1.2	1.2	.6	.1								3.1	4.9
E	1.1	1.1	.6	.2	.0							3.0	5.3
ESE	.2	.3	.0									.5	4.0
SE	.4	.2										.6	3.3
SSE	.4	.2	.1									.8	4.1
S	.9	1.3	.6									2.9	4.8
SSW	1.0	.9	.3									2.2	4.1
SW	.6	1.9	1.0	.2								3.9	5.6
WSW	.8	2.1	1.0	.1								4.0	5.4
W	1.8	4.0	2.5	.7	.0							9.1	6.0
WNW	1.6	2.6	1.4	.5	.1							6.3	5.7
NW	1.8	3.0	1.6	.6	.0	.0						7.3	6.0
NNW	2.7	3.0	1.6	.7	.0							8.0	5.5
VARBL	.4	.1	.0									.5	2.8
CALM												23.3	
	24.0	32.0	16.0	4.4	.3	.0						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 2316



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	3.0	.9	.2								7.6	4.4
NNE	2.1	2.1	1.3	.2								5.6	5.0
NE	1.7	1.7	1.2	.1								4.7	5.1
ENE	1.0	1.4	1.4	.4								4.2	6.4
E	2.2	1.3	1.1	.4								4.7	5.3
ESE	.6	.2	.1									.8	3.7
SE	.6	.5	.3	.0								1.7	4.5
SSE	.7	.4	.1									1.1	3.6
S	1.4	1.7	.9	.1								4.1	4.9
SSW	.5	1.2	.3	.1								2.1	4.9
SW	.3	2.5	.8	.2								4.3	5.5
WSW	.9	1.8	.5	.2								3.7	5.5
W	2.3	3.3	1.7	.4	.0							7.9	5.4
WNW	1.4	1.1	.4	.1								3.0	4.5
NW	2.1	1.7	.6	.3								4.6	4.7
NNW	2.0	1.4	.7	.2								4.3	4.6
VARBL	.7											.7	1.7
CALM												34.6	
	24.6	25.1	12.8	2.9	.0							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

2280

DATA PROCESSING DIVISIO  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010 AIESBADEN AB GERMANY  
STATION

46-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.7	.8	.1								6.2	4.3
NNE	1.2	2.3	.9	.0								4.4	5.0
NE	2.0	1.6	.9	.1								4.5	4.8
ENE	1.1	1.2	1.3	.1								3.6	5.7
E	1.4	1.4	1.0	.3								4.1	5.6
ESE	.6	.1	.0									.7	2.9
SE	.7	.4	.1									1.2	4.2
SSE	.5	.7	.0	.0								1.3	4.4
S	1.2	1.6	.6	.1								3.7	5.0
SSW	.7	1.0	.6									2.3	5.1
SW	.5	1.7	1.1	.5								3.7	6.6
WSW	.9	1.7	1.0	.3								3.9	5.7
W	1.9	3.2	1.8	.6	.1							7.6	5.8
WNW	1.6	1.4	.7	.0								3.7	4.4
NW	2.4	1.6	.7	.1								4.8	4.5
NNW	1.7	1.6	.4									3.7	4.0
VARBL	.5	.0										.6	2.2
CALM												39.6	
	21.5	24.2	12.2	2.3	.1							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 2294

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

RIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.7	1.1	.1								4.8	4.8
NNE	.7	2.0	.9	.2								3.7	5.5
NE	1.0	1.3	1.0	.1								3.4	5.5
ENE	.8	1.0	1.5	.5								3.8	6.8
E	1.5	1.6	2.1	.6	.1							5.9	6.5
ESE	.8	.2	.0									1.0	3.2
SE	.8	.9	.0	.1								1.9	4.3
SSE	.7	.5	.2	.0								1.4	4.5
S	1.3	3.7	.7	.3								4.9	5.1
SSW	.6	1.2	.9	.1	.0							2.8	6.0
SW	.9	1.8	1.5	.5	.0							4.7	6.6
WSW	1.3	2.4	1.5	.6								5.8	6.1
W	1.8	3.4	2.7	.8								8.7	6.2
WNW	1.9	1.3	1.1	.2								4.5	5.0
NW	1.9	1.7	.6	.1								4.3	4.5
NNW	1.3	1.0	.2	.0								2.6	4.0
VARBL	.9											.9	2.0
CALM												34.6	
	20.2	24.7	16.1	4.2	.2							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 2323

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/PAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.2	1.0	.4	.1							3.4	6.8
NNE	.4	.9	.6	.2	.0							2.2	6.5
NE	.5	.7	1.0	.3	.0							2.5	7.2
ENE	.5	1.4	2.9	1.1	.0							5.9	8.1
E	1.4	3.3	4.5	1.5								10.8	7.2
ESE	1.1	1.4	.9	.0								3.4	5.3
SE	1.2	1.2	.5	.1	.0							3.1	4.8
SSE	1.2	1.4	.3	.0								2.9	4.2
S	2.0	3.6	1.0	.3								6.9	5.1
SSW	.6	1.2	1.3	.7	.0	.0						3.8	7.5
SW	.8	3.0	2.3	1.7	.3	.1						8.2	8.2
WSW	1.2	2.9	3.1	1.9	.3	.1						9.6	8.1
W	1.5	3.2	4.6	1.8	.2		.0					11.4	7.6
WNW	.8	1.4	1.4	.7	.0	.1						4.3	7.3
NW	.3	1.6	1.0	.6	.0							3.7	7.3
NNW	.3	.7	.7	.3	.0							2.1	7.3
VARBL	1.8	.9	.2									2.9	3.4
CALM												12.7	
	16.1	30.2	27.4	11.9	1.3	.3	.0					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

3325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 STATION NAME: WIESBADEN AB GERMANY YEARS: 46-70 MONTH: AUG  
CLASS: ALL WEATHER HOURS (LST): 1200-1400  
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.5	1.6	.6								4.3	7.0
NNE	.2	.8	.5	.3	.1							1.9	7.8
NE	.4	.8	1.2	.3	.1							2.9	7.5
ENE	.4	1.1	1.9	.9								4.3	8.1
E	1.1	2.5	2.2	.9	.0							6.7	6.8
ESE	.7	1.0	.7	.3								2.7	5.9
SE	1.0	1.5	.6	.2								3.4	5.2
SSE	1.0	1.8	1.0	.1								4.0	5.3
S	1.8	3.4	2.4	.6	.0							8.2	6.0
SSW	.6	1.5	1.4	1.1	.0							4.6	7.6
SW	.7	2.4	3.3	3.2	.9	.0						10.3	9.7
WSW	.3	2.2	3.3	3.3	.7	.0						9.8	9.9
W	.7	2.9	4.9	3.6	.6	.2						13.0	9.4
WNW	.6	1.0	1.9	1.2	.2		.0					4.9	8.9
NW	.5	1.5	1.4	.9	.1							4.4	8.0
NNW	.5	.8	1.1	.2	.0							2.8	6.7
VARBL	1.3	2.4	.4	.1								4.2	4.5
CALM												7.4	
	12.7	29.1	29.9	17.8	2.8	.3	.0					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.5	1.9	.6		.0						4.6	7.4
NNE	.4	.7	.9	.4	.0							2.6	7.6
NE	.6	1.5	1.3	.9	.0							4.5	7.4
ENE	.4	1.3	1.1	.6	.0							3.4	7.4
E	1.3	2.2	2.1	.6								6.2	6.3
ESE	.2	.9	.9	.3								2.3	6.8
SE	.5	1.1	.9	.1								2.6	5.8
SSE	.5	1.0	.6	.2	.0							3.1	5.8
S	1.5	3.6	2.8	.7	.0							8.6	6.3
SSW	.1	1.2	1.1	.3								3.2	8.1
SW	.6	1.6	2.9	2.8	.5	.0						8.4	9.9
WSW	.6	2.0	3.7	3.4	.5	.0		.0				10.4	9.8
W	.9	3.1	6.3	4.2	.4	.2						15.1	9.3
WNW	.6	1.1	2.2	1.1	.2							5.2	8.5
NW	.6	2.0	2.6	.7	.1							6.0	7.6
NNW	.5	1.2	1.5	.8	.1							4.1	8.0
VARBL	1.1	1.4	.3	.1								2.9	4.5
CALM												6.9	
	11.0	27.9	33.4	18.4	2.0	.3		.0				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIEGBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (LST.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.8	2.2	.4								8.2	5.6
NNE	1.4	2.1	1.2	.2								4.8	5.4
NE	1.6	2.9	1.6	.6	.0							6.8	5.8
ENE	.9	2.3	1.0	.5	.0							4.7	6.1
E	1.2	1.7	1.1	.1								4.2	5.3
ESE	.5	.7	.2									1.4	4.7
SE	.7	.8	.1									1.7	4.2
SSE	.7	1.0	.3	.2								2.2	5.3
S	1.4	3.1	1.1	.1								5.7	5.1
SSW	.8	1.6	.9	.4								3.6	6.1
SW	.6	2.1	1.9	1.6	.1	.0						6.4	8.1
WSW	.7	1.7	3.2	1.5	.2	.0						7.4	8.3
W	1.9	4.2	4.5	1.8	.1							12.6	7.1
WNW	.2	2.1	1.9	.8	.1	.1						5.8	7.3
NW	1.3	2.4	1.8	.6	.0							6.1	6.4
NNW	1.0	1.7	2.4	.3	.1							5.6	6.7
VARBL	.5	.2										.7	2.8
CALM												11.9	
	18.0	34.5	25.6	9.1	.7	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

2310

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/WAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.4	2.1	.3								9.5	5.0
NNE	1.6	3.4	1.7	.1								6.8	5.2
NE	1.6	2.7	1.7	.4	.0							6.5	5.7
ENE	1.2	1.7	1.1	.5	.0							4.5	6.0
E	1.5	1.5	.7	.4								4.2	5.1
ESE	.4	.1	.1									.6	4.2
SE	.4	.6	.1									1.1	3.8
SSE	.3	.7	.1	.0	.0							1.2	5.1
S	.7	2.2	.8	.2								3.8	5.3
SSW	.5	1.6	.5									2.6	5.2
SW	.7	2.2	1.7	.2	.1							4.9	6.4
WSW	.7	2.5	1.5	.3	.1	.0						5.1	6.2
W	2.0	4.1	1.9	.7	.0							8.8	5.8
WNW	1.0	2.0	.8	.1								3.9	5.2
NW	1.5	2.2	.9	.0								4.6	4.7
NNW	1.5	2.2	1.0	.2								4.9	5.0
VARBL	.4	.0										.4	1.9
CALM												26.7	
	18.8	34.1	16.7	2.2	.4	.0						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 2279



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

39010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-69  
YEAR

SEP  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.7	.6	.1								6.1	4.4
NNE	1.6	1.7	1.4	.0								4.7	5.3
NE	2.0	1.8	1.2	.3	.0							5.3	5.4
ENE	1.7	2.0	1.9	.9								6.6	6.4
E	1.8	1.6	1.6	1.4	.0							6.4	7.1
ESE	.7	.6	.0									1.4	3.5
SE	.5	.3	.1									.8	3.9
SSE	.4	.3	.1									.9	4.0
S	.4	1.3	.8									3.9	4.7
SSW	.6	1.3	.2	.0								2.1	4.9
SW	1.2	2.1	1.7	.3								5.2	6.0
WSW	.4	1.6	1.2	.5	.1	.0						3.8	7.2
W	1.8	3.3	1.8	.5								7.3	5.6
WNW	1.3	1.3	.7	.2								3.9	5.1
NW	1.3	1.1	.6	.1								3.1	5.0
NNW	.8	.6	.2	.2	.0							1.9	5.3
VARBL	.5	.0										.6	2.4
CALM												36.9	
	20.6	23.6	14.2	4.6	.2	.0						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2159

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 WIESBADEN AB GERMANY  
STATION STATION NAME

4670  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.5	1.0									4.7	4.4
NNE	1.3	1.5	1.1	.0								3.8	3.1
NE	1.8	2.0	.9	.5								3.3	3.3
ENE	1.8	2.1	1.5	.6								3.7	3.7
E	1.6	1.6	1.8	1.1	.0							6.2	6.9
ESE	.7	.3	.0									1.1	3.6
SE	.4	.3										1.0	3.6
SSE	.7	.4	.1									1.2	3.5
S	1.4	1.4	.6	.2								3.6	4.9
SSW	.7	.9	.8	.2								2.9	6.0
SW	.7	2.2	1.2	.3								4.4	6.1
WSW	.8	1.7	1.7	.3								4.6	6.3
W	1.3	2.7	2.0	.6		.1	.0					7.3	6.2
WNW	1.5	1.1	.5	.2		.0	.0	.0				3.4	5.8
NW	1.2	1.0	.5	.0								2.7	4.5
NNW	1.1	.7	.2	.0	.1							2.2	4.5
VARBL	.4	.1										.8	2.4
CALM												39.9	
	20.3	21.7	12.8	3.9	.1	.1	.1	.0				100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 2190

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN A2 GERMANY  
STATION NAME

4670  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.9	.5	.1								4.3	4.3
NNE	.8	1.1	.8	.0								2.7	5.1
NE	1.3	1.0	1.6	.4	.0							4.3	6.3
ENE	1.2	1.5	1.1	.4	.0							4.3	5.9
E	2.1	1.9	2.4	1.7								8.2	7.1
ESE	.9	.5		.1								1.5	3.7
SE	1.0	.7	.0									1.7	3.3
SSE	.7	.7	.2									1.6	4.0
S	1.5	1.9	1.1	.0								6.5	5.0
SSW	.5	.7	1.0	.2								2.4	6.5
SW	.8	1.4	1.5	.7								4.4	7.0
WSW	.8	1.2	2.0	.6	.1							4.7	7.0
W	2.5	2.9	2.3	.8	.1	.1	.0					8.8	6.3
WNW	1.3	.8	.6	.3	.1							3.2	5.9
NW	1.1	1.3	.3	.1								2.8	4.6
NNW	1.0	.6	.4	.2								2.1	4.8
VARBL	.9	.2										1.1	2.3
CALM												37.9	
	20.4	20.2	15.8	5.7	.4	.1	.0					100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

45-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	.6	.3								2.6	6.3
NNE	.3	.7	.6	.2								1.7	6.6
NE	.3	.9	.9	1.0	.0							2.8	9.0
ENE	.4	1.2	2.2	1.3	.2							5.2	8.7
E	1.2	4.2	5.5	2.9	.2							16.0	8.0
ESE	1.1	1.6	1.1	.3								4.0	5.9
SE	1.4	1.3	.2									2.9	3.8
SSE	1.3	1.6	.4	.0								3.3	4.4
S	2.1	2.4	1.8	.3								6.6	5.3
SSW	.9	1.2	1.0	.5	.0							3.8	6.7
SW	1.2	1.6	2.7	1.6	.1							7.1	7.9
WSW	.5	1.9	2.6	2.0	.2	.0						8.2	8.0
W	1.2	2.0	3.2	2.7	.4	.0	.1					9.7	9.0
WNW	.8	.8	.8	.8	.2	.0	.0					3.6	8.4
NW	.6	.7	.8	.6								2.6	7.0
NNW	.4	.3	.4	.3	.0							1.4	7.7
VARBL	1.6	.7	.2	.1								2.6	3.3
CALM												17.9	
	16.9	23.8	25.0	14.8	1.4	.1	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

2250

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 WIESBADEN AB GERMANY 4670 SEP  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
1200-1400  
HOURS (L.S.T.)

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.0	.9	.4								2.6	7.1
NNE	.3	.6	.6	.2								1.7	6.8
NE	.2	.8	1.0	.6								2.5	7.9
ENE	.3	1.6	1.9	1.2								5.0	8.1
E	1.5	3.1	3.7	2.2	.1							12.7	7.8
ESE	.9	1.6	1.0	.6								4.0	6.3
SE	1.2	1.3	.4	.0								2.9	4.3
SSE	.9	1.2	.6	.1								2.8	5.3
S	2.5	4.2	2.3	.8								9.9	5.8
SSW	.9	2.0	1.7	.6	.0							5.2	6.7
SW	.8	2.4	2.5	2.7	.2							8.7	8.7
WSW	.5	2.1	2.7	2.6	.7							8.8	9.7
W	.9	2.1	4.1	4.8	.4	.2						12.4	10.1
WNW	.2	1.0	1.1	1.1	.3	.1						3.8	9.6
NW	.4	.8	.8	.5	.1	.0						2.7	8.2
NNW	.2	.5	.8	.7								2.2	8.5
VARBL	1.5	1.7	.2	.2								3.8	4.4
CALM												8.4	
	13.7	28.0	25.3	19.4	1.8	.4						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

39010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

66-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1900-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.9	1.8	.4								4.4	6.7
NNE	.2	.4	1.0	.2								1.8	7.8
NE	.4	1.2	1.8	.6	.1							4.2	7.8
ENE	.9	1.5	1.2	.8								4.4	6.9
E	1.2	2.8	4.1	2.0								10.3	7.6
ESE	.5	1.3	1.2	.3								3.2	6.5
SE	.5	1.3	1.0									2.8	5.5
SSE	1.3	1.2	.7	.1								2.4	4.8
S	2.0	5.2	1.7	.7								9.7	5.5
SSW	.9	1.8	1.8	.3								4.8	6.3
SW	.8	2.8	2.8	2.6	.3							9.8	8.7
WSW	.8	2.2	2.4	2.6	.4	.1						8.4	9.1
W	.8	2.2	4.8	4.3	.4	.2						12.7	9.8
WNW	.4	1.0	1.5	1.3	.0							4.9	8.6
NW	.4	1.0	1.6	.6		.0						3.6	7.7
NNW	.2	.3	1.2	.5								2.8	8.4
VARBL	1.2	.9	.2	.1								2.4	4.0
CALM												7.9	
	12.9	29.1	31.1	17.8	1.2	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2290

DATA PROCESSING DIVISION  
 DTIC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
 STATION

WIESBADEN AB GERMANY  
 STATION NAME

46-70  
 YEARS

SEP  
 MONTH

ALL WEATHER  
 CLASS

1800-2000  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	2.9	1.3	.2								6.9	4.9
NNE	2.5	3.0	1.2	.1								6.8	4.6
NE	2.9	3.1	1.5	.3	.0							7.8	5.1
ENE	1.4	2.4	.9	.3								5.0	5.2
E	2.1	3.2	2.1	.6								5.0	5.7
ESE	.6	.7	.2									1.5	4.3
SE	.7	.5	.0									1.2	3.6
SSE	1.3	.7	.2									2.2	4.0
S	1.6	2.5	.9	.0								5.1	4.7
SSW	.7	1.4	1.2	.4	.0							3.7	6.7
SW	1.0	3.0	2.6	1.1	.1							7.7	7.0
WSW	1.1	1.5	3.7	.6		.0						3.9	7.2
W	1.4	4.5	3.9	1.6	.3							11.7	7.3
WNW	.5	1.7	.8	.4	.0							3.4	6.6
NW	.0	1.0	.8	.2	.1	.0						3.2	6.6
NNW	1.0	1.1	.9	.3								3.3	5.9
VARBL	.5	.0										.5	2.0
CALM												15.9	
	22.9	33.2	21.1	6.1	.7	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 2220

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

25010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-69  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.7	1.5	.4								6.5	5.3
NNE	2.2	2.1	1.3	.2								6.9	5.1
NE	3.8	2.3	1.6	.4								8.3	4.9
ENE	1.5	1.9	1.2	.5								5.0	5.8
E	1.9	2.1	1.9	.9								6.9	6.3
ESE	.7	.3	.1									1.1	3.8
SE	.6	.4	.0									1.0	3.9
SSE	.6	.2	.0									.8	3.8
S	1.3	1.3	.6	.0								3.2	4.5
SSW	.9	1.0	.6	.1								2.7	5.1
SW	1.0	2.5	1.2	.3	.1							5.5	5.9
WSW	.6	1.9	2.0	.8	.1							5.4	7.5
W	2.2	3.5	1.9	.5		.0						8.1	5.7
WNW	1.0	1.5	.7	.3	.0							3.5	5.9
NW	.9	1.0	.6	.5								3.1	6.3
NNW	.2	.7	.6	.1								2.2	5.6
VARBL	.8	.0										.8	1.9
CALM												29.0	
	22.6	25.9	16.7	5.1	.2	.0						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 2159



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

QCY  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.7	1.3	.1								4.7	3.2
NNE	1.1	1.2	.5	.2								2.9	3.0
NE	1.2	2.0	1.4	.9	.2							5.7	6.9
ENE	1.4	2.6	2.6	.9								7.5	6.6
E	2.2	2.8	2.6	1.0	.0							6.6	6.4
ESE	.6	.6	.1									1.4	3.7
SE	.4	.5	.2									1.1	4.6
SSE	.5	.5	.3									1.3	5.0
S	1.6	2.1	.7	.2								4.9	5.0
SSW	.5	1.3	.6	.3								2.7	6.3
SW	.7	1.6	.9	.4		.0						3.6	6.4
WSW	.8	1.4	1.0	.4								3.7	6.3
W	1.8	2.5	2.0	.5								6.9	5.9
WNW	1.5	1.5	.5	.2	.1							3.8	5.2
NW	1.6	.9	.6	.3								3.3	5.1
NNW	.7	.6	.2	.1								1.6	4.7
VARBL	.3		.2	.1								.6	6.1
CALM												36.0	
	18.4	23.9	15.7	5.6	.3	.0						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 2316

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 WIESBADEN AB GERMANY

46-70

OCT

ALL WEATHER

0300-0500

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.8	.9	.3								5.0	3.1
NNE	1.2	1.0	1.0	.1	.0							3.4	3.4
NE	1.2	1.9	1.4	.9	.1	.0						3.5	7.0
ENE	1.1	2.0	2.5	.7								6.3	6.8
E	2.5	2.3	2.9	.9								8.6	6.3
ESE	.8	.4	.2									1.4	3.9
SE	.7	.6										1.3	3.4
SSE	.5	.9	.3									1.7	4.7
S	1.2	2.2	1.1	.3								4.9	3.3
SSW	.6	.8	.3	.0		.0						1.8	3.3
SW	.6	1.2	1.2	.3	.1							3.6	6.3
WSW	.7	1.5	1.5	.4								4.1	6.6
W	2.1	2.5	1.9	.6	.1	.0						7.2	6.1
WNW	1.4	.7	.5	.3								2.9	3.3
NW	1.4	.5	.3	.3								2.4	4.9
NNW	.9	.8	.4									2.1	4.6
VARBL	.7	.1	.4	.1								1.3	4.6
CALM												36.9	
	19.8	21.2	16.7	5.3	.3	.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 2316

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.6	.5	.1	.0							3.1	5.3
NNE	.5	1.0	.9		.0	.0						2.8	6.0
NE	1.1	1.2	1.1	1.2	.1							4.6	7.5
ENE	1.3	1.7	2.3	1.2	.1							6.7	7.4
E	2.8	2.9	3.1	.8								9.6	6.0
ESE	.3	.8	.1									1.8	3.7
SE	.9	.6	.0									1.5	3.5
SSE	.7	.3	.3									1.6	3.9
S	1.2	2.5	1.2	.1								5.0	5.3
SSW	.5	.7	.8	.1								2.2	6.1
SW	.9	1.2	1.7	.6	.0	.0						4.5	7.2
WSW	1.0	1.5	1.4	.5	.0	.0						4.4	6.6
W	1.8	2.1	1.9	.7	.1							6.5	4.3
WNW	1.2	1.2	.8	.3								3.3	5.4
NW	1.4	.7	.5									2.7	4.4
NNW	.8	.6	.4	.1	.0							1.9	5.2
VARBL	.9	.0	.3	.2								1.6	4.3
CALM												36.3	
	19.1	21.0	17.2	5.8	.5	.1						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

001  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.9	.7	.3	.0							2.5	6.5
NNE	.6	.9	.8	.2	.1							2.5	6.8
NE	.4	.6	.8	1.6	.3	.1						3.8	10.2
ENE	.3	1.4	2.6	1.8	.2							6.4	9.2
E	1.5	3.0	6.2	2.5								13.2	7.9
ESE	1.3	1.5	.6	.2								3.7	5.1
SE	1.3	1.1	.2									2.6	3.8
SSE	1.0	.8	.3	.1								2.2	4.5
S	2.8	2.1	1.2	.2								6.3	4.7
SSW	.6	1.5	.7	.3	.0							3.4	6.5
SW	1.1	1.8	2.0	.8	.0							5.8	6.9
WSW	.6	1.4	2.4	1.1	.2	.0						5.8	8.4
W	1.6	2.4	2.9	1.0	.2							8.1	7.0
WNW	.6	.3	.6	.4								2.0	6.7
NW	.6	1.2	.5	.6	.0							2.8	7.2
NNW	.3	.1	.6	.1	.1							1.2	7.6
VARBL	.8	.1	.6	.3								1.8	6.0
CALM												25.8	
	16.1	21.3	23.7	11.5	1.2	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

1325

DATA PROCESSING DIVISION  
BTAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23010  
STATION

MIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

007  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	.3	.5	.0							1.9	7.3
NNE	.3	.4	.6	.2	.2	.0						1.8	9.3
NE	.5	.7	1.5	1.0	.3	.1						4.2	9.5
ENE	.5	1.2	2.7	1.7	.0							6.2	8.7
E	1.2	3.5	5.9	2.3								15.9	7.6
ESE	1.2	1.5	1.2	.2	.0							4.2	5.9
SE	1.9	1.7	.4	.1								4.1	4.4
SSE	1.4	1.5	.6									3.3	4.3
S	2.8	2.6	1.8	.4								7.5	5.2
SSW	1.1	1.3	1.0	.7	.0							4.1	6.6
SW	.5	1.6	2.7	1.7	.0	.0	.0					6.7	8.8
WSW	1.2	1.3	2.1	1.8	.4	.1	.0	.0				7.0	8.9
W	1.4	1.9	2.5	1.9	.3	.1						8.1	8.2
WNW	.8	1.1	1.3	.6	.1							3.9	7.2
NW	.4	.9	.8	.7	.2							2.9	8.8
NNW	.2	.5	1.0	.5								2.5	7.9
VARBL	1.1	.5	.8	.5	.1							3.0	6.8
CALM												19.6	
	16.7	23.4	27.1	14.9	1.9	.4	.1	.0				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 35010 KIESBADEN AB GERMANY 46-70 CCT  
STATION NAME YEARS MONTH  
CLASS ALL WEATHER HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56 - 63	%	MEAN WIND SPEED
N	.5	1.2	1.1	.3								3.1	6.7
NNE	.6	1.1	1.0	.6	.1							3.4	7.4
NE	1.2	1.9	2.1	.9	.2	.1						6.4	7.5
ENE	.8	2.4	2.0	1.2	.0							6.4	7.3
E	1.8	3.2	4.1	.8								9.9	6.5
ESE	1.0	.8	.9	.2								2.9	5.7
SE	.9	.8	.4	.1								2.2	4.8
SSE	1.5	1.0	.3									2.9	4.0
S	2.5	3.2	2.2	.3	.0							8.3	5.4
SSW	.4	1.3	1.3	.6	.0							3.7	7.2
SW	.8	1.9	2.5	1.6	.1							6.9	8.0
WSW	.7	1.8	2.4	1.7	.0	.0						6.6	8.3
W	1.6	2.5	3.1	1.5	.2							8.8	7.4
WNW	.4	.9	1.2	.9	.1	.0						3.5	6.5
NW	.7	1.0	1.1	.7	.1							3.7	7.5
NNW	.4	.6	1.1	.2								2.3	6.8
VARBL	1.0	.5	.2	.4	.0							2.0	5.5
CALM												17.2	
	16.9	25.7	26.9	12.2	1.0	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 35010 WIESBADEN AB GERMANY 46-70 EET  
STATION NAME TEARS MONTH  
CLASS ALL WEATHER 1800-2000  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.8	1.0	.0								6.8	4.5
NNE	2.2	2.2	1.4	.4								6.2	5.4
NE	2.5	2.5	2.2	.8	.2	.1						8.3	6.4
ENE	3.1	2.2	1.9	.9	.1							7.9	6.3
E	1.5	2.0	1.5	.5								5.6	5.9
ESE	.7	.4	.3	.0								1.4	4.8
SE	.5	.5	.0									1.0	3.7
SSE	.2	.6	.0									.8	4.7
S	1.5	2.1	1.2	.3								5.1	5.6
SSW	.6	1.2	1.0	.3	.0							3.3	6.4
SW	.6	2.8	1.6	.7	.0							3.6	6.6
WSW	1.2	1.8	.9	.6								4.6	6.0
W	1.8	2.6	2.6	.7								7.7	6.4
WNW	.7	1.5	1.0	.3	.1							3.1	6.6
NW	1.0	1.5	.6	.2								3.4	5.3
NNW	.4	.8	.5	.3								2.0	6.2
VARBL	.4	.0	.2	.2								.8	3.6
CALM												27.2	
	20.9	26.9	18.0	6.4	.5	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2323

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

29010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

CCT  
MONTHS

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.1	.6	.0								5.2	4.3
NNE	.9	1.7	1.2	.0	.1							4.6	6.6
NE	2.1	3.1	1.9	1.1	.1							8.2	6.5
ENE	.9	2.1	2.5	1.2	.0							6.8	7.9
E	1.7	2.8	2.7	.6	.0							7.9	6.4
ESE	.6	.5	.1	.0								1.2	4.1
SE	.3	.3	.0									.6	4.0
SSE	.2	.4	.1	.0								.7	5.5
S	1.1	2.3	1.0	.1								4.5	5.2
SSW	.6	1.2	.6	.3	.0							2.7	6.0
SW	.6	2.0	1.0	.6	.0							4.2	6.5
WSW	.7	1.3	1.1	.6								3.6	6.9
W	1.5	2.8	1.9	.3	.1							6.7	5.9
WNW	1.6	1.3	.7	.4								4.1	5.3
NW	1.1	1.0	.6	.5	.0							3.3	6.3
NNW	1.3	1.1	.2	.1								2.7	4.3
VARBL	1.1		.3	.0								1.5	3.4
CALM												31.9	
	18.6	25.9	16.3	6.6	.5							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 2316



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/44C

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

39010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

NDV  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.4	.8	.1	.1							3.5	5.5
NNE	1.0	1.0	.9	.2								3.1	5.6
NE	1.0	1.9	1.4	1.0	.0							5.4	7.0
ENE	1.6	2.0	2.1	.7	.2							6.6	6.6
E	3.7	3.3	2.6	1.2	.1							10.8	5.9
ESE	1.3	.9	.4	.1								2.8	4.7
SE	.9	.9	.2									2.0	4.3
SSE	.7	.2	.0	.2								1.4	5.1
S	1.9	3.4	1.6	.4								7.4	5.4
SSW	.7	1.1	.8	.5								3.0	6.4
SW	1.0	2.2	2.1	1.0	.1							6.5	7.4
WSW	.3	1.1	1.8	1.1	.2		.0					4.5	9.0
W	1.5	3.1	2.3	1.3	.2	.1						8.6	7.1
WNW	.8	1.1	.5	.1								2.5	5.3
NW	1.0	1.0	.6	.1								2.7	5.3
NNW	.7	.3	.4	.0								1.4	5.0
VARBL	.7	.3	.4	.3	.0							1.6	6.4
CALM												25.9	
	20.1	25.4	19.0	8.4	1.0	.1	.0					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

2249

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

RIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

NDV  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.1	.7	.4	.0							4.1	5.2
NNE	1.1	.8	1.0	.2								3.1	5.9
NE	1.8	1.6	1.6	.7								5.7	6.2
ENE	1.7	2.1	2.1	.8	.1							6.9	6.6
E	3.1	3.0	3.0	1.3	.1	.0						10.6	6.4
ESE	1.5	.9	.1	.2								2.7	4.2
SE	1.3	1.0	.3	.1	.1							2.7	4.7
SSE	1.0	.8	.2	.1								2.1	4.4
S	2.3	2.3	1.7	.5								7.8	5.5
SSW	.4	1.0	.8	.2								2.4	6.5
SW	.8	1.8	1.7	1.2	.0							5.6	7.5
WSW	.6	1.2	1.2	.9	.5	.1						4.8	9.1
W	1.5	2.2	1.9	1.2	.5							7.3	7.6
WNW	.8	1.0	.5	.1	.2							2.7	6.4
NW	.7	1.0	.5	.3	.0							2.6	6.2
NNW	.4	.7	.4	.1		.0						1.6	6.3
VARBL	.3	.3	.4	.3								1.3	7.0
CALM												26.3	
	21.0	23.8	18.1	8.9	1.6	.2						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 2244

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/VAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010 STATION WIESBAOEN AB GERMANY 46-70 YEARS NDV  
STATION NAME NORTH  
ALL WEATHER CLASS 0600-0800  
CONDITION HOURS (L S T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	.7	.1	.0							3.4	5.3
NNE	1.1	1.4	.8	.2	.0							3.4	5.6
NE	1.2	1.6	1.1	.7								4.7	6.3
ENE	1.9	2.9	2.0	.6	.2	.1						7.6	6.3
E	3.3	3.0	3.4	2.0	.2							11.9	6.7
ESE	1.2	1.2	.3	.0								2.8	4.3
SE	1.0	.8	.3	.0								2.2	4.4
SSE	.8	.9	.1	.0								2.0	4.0
S	2.5	3.5	2.0	.5	.0							8.5	5.5
SSW	.5	1.1	1.2	.4								3.3	6.8
SW	.8	1.9	1.9	1.1	.1							5.8	7.7
WSW	.7	1.1	1.6	.6	.3							4.6	8.3
W	1.3	2.3	2.1	1.2	.1							7.7	6.9
WNW	.7	.6	.5	.3	.0							2.3	6.1
NW	1.4	.9	.4	.3								3.0	4.9
NNW	.6	.2	.4	.1	.1							1.4	6.1
VARBL	.4	.3	.4	.4								1.4	7.1
CALM												23.9	
	21.1	25.8	19.0	8.9	1.2	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 2245

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ETAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

NDV  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.2	.1								3.3	5.7
NNE	.4	.5	.6	.4	.0							2.0	7.5
NE	1.2	1.5	1.8	.9								4.6	6.8
ENE	1.1	2.3	2.3	1.4	.2							7.3	7.7
E	2.5	4.3	3.5	2.5	.2							12.9	7.0
ESE	1.4	1.7	.5	.2								3.8	4.8
SE	1.5	.9	.3	.0								2.7	3.8
SSE	1.3	1.4	.4		.0							3.2	4.4
S	3.2	2.9	2.5	.4	.0							9.1	5.4
SSW	.7	1.2	1.4	.3								3.9	7.1
SW	1.1	1.6	2.9	1.6	.1							7.4	8.3
WSW	.3	1.1	1.5	1.5	.4	.1						5.1	9.6
W	2.0	1.9	2.5	1.4	.0	.0						7.8	7.0
WNW	.7	.4	1.1	.4	.0							2.5	7.1
NW	.7	.7	1.0	.1	.0	.0						2.6	6.7
NNW	.4	.2	.4	.1	.0							1.2	6.8
VARBL	.6	.3	.4	.6	.0							1.0	7.3
CALM												18.7	
	20.2	23.8	23.5	12.2	1.3	.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

2244

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 AIESBADEN AB GERMANY 46-70  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
REV  
MONTH  
1200-1400  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.4	1.3	.4								3.7	6.8
NNE	.3	.5	.2	.3	.0							2.0	7.7
NE	.6	.7	1.2	1.1	.1							3.7	8.5
ENE	.4	1.6	2.3	1.2	.4							5.8	8.5
E	1.5	3.8	4.2	2.7	.2							12.4	7.8
ESE	1.6	1.8	.9	.2								4.5	5.0
SE	2.0	1.8	.4	.2								4.2	4.3
SSE	1.5	1.4	.6	.1	.0							3.6	4.5
S	2.2	4.3	2.4	.8								9.5	6.0
SSW	.7	.5	1.1	.5	.0	.0						3.0	7.4
SW	.7	1.4	2.9	2.9	.3	.1						8.3	9.5
WSW	.8	1.1	2.0	2.5	.5	.3						7.2	10.3
W	1.1	2.0	3.4	1.8	.3	.1						8.7	8.4
WNW	.4	.8	.3	.6	.0							2.1	7.6
NW	.4	.8	1.3	.8	.1	.0						3.3	8.7
NNW	.1	.5	.5	.2	.1							1.4	7.9
VARBL	.4	.2	.7	.6	.1							2.1	8.7
CALM												14.3	
	15.6	24.3	26.3	16.6	2.3	.6						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2244

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	1.1	.4								4.2	6.2
NNE	.9	1.0	.8	.2	.0							3.1	6.3
NE	.9	1.4	1.6	.6	.2							4.7	7.3
ENE	1.3	2.3	3.3	.8	.1							6.7	5.6
E	2.5	4.5	3.2	1.3	.1							11.6	6.3
ESE	1.2	1.6	.8	.2								3.8	5.1
SE	1.2	1.4	.3									2.8	4.3
SSE	1.3	1.0	.4	.1	.0							2.9	4.7
S	2.5	3.3	2.2	.7	.0							8.8	5.7
SSW	.4	1.3	1.1	.4	.0							3.3	6.8
S'W	.6	1.6	3.0	1.9	.3							7.3	8.7
WSW	.7	1.4	1.7	1.7	.6	.1						6.3	9.3
W	1.6	2.0	3.9	1.5	.3	.0						9.5	8.1
WNW	.8	.8	.7	.2	.1							2.6	6.8
NW	.4	1.1	1.2	.4	.0	.0						3.2	7.6
NNW	.7	.7	.2	.1								1.7	5.1
VARBL	.4	.2	.1	.4								1.8	8.0
CALM												15.7	
	18.4	27.1	25.2	11.2	2.1	.2						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

2241

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 STATION NAME: AFBADEN AB GERMANY YEARS: 46-70 MONTH: NOV  
1800-2000 HOURS (L.S.T.)  
CLASS: ALL WEATHER  
CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.5	.9	.0								4.3	4.6
NNE	1.9	1.5	.7	.2	.1							4.2	5.1
NE	1.9	2.0	1.5	.9	.2							6.5	6.5
ENE	1.5	2.5	1.7	.9	.1							6.9	6.5
E	3.0	4.0	3.4	1.0	.1							11.4	6.1
ESE	.6	1.4	.4	.0								2.4	5.1
SE	.5	1.1	.2									1.7	4.3
SSE	1.2	.7	.1	.1								2.0	4.0
S	2.1	3.1	1.5	.4	.0							7.2	5.4
SSW	.9	1.2	1.7	.4								4.2	6.5
SW	1.3	2.3	2.3	1.6	.0							7.7	7.5
WSW	.4	1.3	2.2	1.5	.2	.0						5.6	8.8
W	1.7	2.5	2.0	1.1	.3							7.6	7.1
WNW	.8	.8	.3	.3	.0							2.1	6.1
NW	.7	.9	.8	.2	.0							2.7	6.2
NNW	.5	1.0	.2	.1								1.8	4.7
VARBL	.5	.2	.1	.4	.0							1.2	7.0
CALM												20.5	
	21.3	27.8	19.9	9.2	1.2	.0						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2249

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

NIESBADE AB GERMANY  
STATION NAME

46-70  
YEARS

NGV  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	54 - 56	%	MEAN WIND SPEED
N	1.5	1.3	.6	.2								4.1	4.7
NNE	1.0	1.5	.9	.3	.0							3.7	6.0
NE	1.5	2.0	1.8	.9	.1							6.5	6.9
ENE	1.6	2.2	1.6	.8	.2							6.3	6.5
E	3.3	3.3	3.3	1.3	.1							11.4	6.4
ESE	1.0	1.0	.4	.1								2.4	4.7
SE	1.0	1.1	.3	.0								2.4	4.5
SSE	.0	.9	.2	.0								2.0	4.1
S	2.1	2.8	1.5	.3	.1							6.8	5.6
SSW	.6	1.3	.9	.4								3.3	5.3
SW	1.6	2.0	1.7	1.5	.3							7.1	7.5
WSW	.7	1.4	1.9	1.5	.3	.1	.0					5.9	9.3
W	1.8	2.7	1.7	1.1	.0	.2						7.5	7.1
WNW	1.1	1.1	.4	.2								2.7	5.0
NW	.3	1.1	.6	.4								2.9	6.1
NNW	.4	.4	.4									1.3	5.0
VARBL	.3	.2	.3	.1	.0	.0						1.6	5.9
CALM												21.9	
	21.7	27.1	18.5	9.2	1.2	.3	.0					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

2246



DATA PROCESS: 0 DIVISIO  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.8	.9	.1	.0							4.4	5.0
NNE	1.1	.8	.6	.3								2.8	5.7
NE	1.1	1.3	1.5	1.1	.1							5.2	7.4
ENE	1.7	2.7	2.7	.9	.1							8.2	6.6
E	2.7	3.7	3.3	.8								10.5	6.0
ESE	1.1	.9										2.0	3.6
SE	1.2	.8	.3									2.1	4.4
SSE	.5	1.1	.3	.1	.0							2.2	5.4
S	1.8	3.9	1.3	.4	.0							7.4	5.4
SSW	.5	1.2	.9	.4	.0							3.0	7.0
SW	.9	2.2	2.9	1.6	.1	.0						7.8	8.0
WSW	.7	1.6	1.8	1.4	.3	.1						5.9	8.7
W	1.4	2.0	2.3	1.5	.3	.1						7.6	8.1
WNW	.8	.9	.9	.2	.2	.0						2.9	6.8
NW	.6	.7	.9	.4	.1	.0	.0					2.9	6.1
NNW	.5	.7	.6	.0								1.9	5.4
VARBL	.5	.4	.3	.1								1.4	4.9
CALM												21.8	
	18.7	26.3	21.5	9.5	1.3	.3	.0					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35012  
STATION

NIESBADEN AB GERMANY  
STATION NAME

46-70  
YEAR

DEC  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.8	.9	.4								4.6	3.3
NNE	.5	.7	1.1	.3								2.7	7.1
NE	1.5	1.3	1.8	.5	.0							5.2	6.3
ENE	1.3	2.6	2.2	.9								7.1	6.3
E	3.0	3.5	2.8	.9								10.3	6.0
ESE	.8	1.1	.3									2.2	4.3
SE	1.0	.8	.2	.0								2.0	4.1
SSE	.9	.9	.6	.0								2.4	4.9
S	1.8	3.4	1.6	.3								7.3	5.4
SSW	.7	1.4	1.2	.5	.0							3.8	6.7
SW	.6	2.2	2.4	1.8	.2							7.1	8.4
WSW	.3	1.1	1.5	1.8	.3							5.4	9.0
W	1.4	2.6	2.3	2.0	.5	.1						8.9	8.2
WNW	.7	1.0	.9	.3	.2							3.1	6.8
NW	.8	.8	.6	.2	.1	.1						2.6	7.3
NNW	.4	.4	.4	.3								1.6	6.9
VARBL	1.0	.2	.3	.1								1.8	4.4
CALM												21.9	
	18.8	25.8	21.3	10.6	1.3	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 STATION WIESBADEN AB GERMANY 46-72 YEARS DEC MONTH  
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.7	1.0	.2								4.3	5.4
NNE	.9	1.1	1.0	.3								3.2	5.7
NE	1.2	1.1	1.6	.9	.0							4.9	7.4
ENE	1.3	2.0	3.2	.9								7.1	7.0
E	3.2	3.6	2.5	.8	.0							10.1	5.5
ESE	1.2	1.4	.5									3.1	4.3
SE	1.1	.9	.5	.1								2.5	4.6
SSE	1.2	1.0	.4	.2								2.8	4.6
S	2.4	3.7	2.0	.3								8.4	5.4
SSW	.5	.9	1.2	.2	.0							2.9	6.8
SW	.6	2.1	2.4	1.9	.2							7.2	8.4
WSW	.5	1.1	1.4	2.0	.3	.0						5.3	9.6
W	1.7	2.5	3.0	1.8	.3	.0						9.4	7.8
WNW	.5	.8	.6	.3								2.5	5.5
NW	.7	.7	.5	.3	.2	.1	.0					2.5	7.9
NNW	.7	.4	.9	.1								2.2	5.9
VARBL	.5	.2	.2	.1								.9	4.9
CALM												20.6	
	19.7	25.0	22.9	10.3	1.1	.2	.0					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

35010  
STATION

VIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.3	.9	.1								3.1	5.5
NNE	.5	.7	.9	.2	.0							2.4	6.8
NE	.9	.9	1.9	1.0	.1							4.8	8.2
ENE	.8	2.5	3.1	1.7	.0							8.1	7.9
E	2.2	3.8	3.6	.8								10.4	6.1
ESE	1.3	1.5	.6	.0								3.4	4.7
SE	1.5	1.3	.5									3.3	4.1
SSE	1.3	1.1	.4									2.8	4.1
S	2.2	3.1	2.2	.4								7.8	5.7
SSW	.5	1.7	1.2	.6	.1							4.2	5.9
SW	.8	2.1	2.5	1.3	.1	.0		.0				6.9	8.0
WSW	.4	1.4	2.5	2.0	.3	.0				.0		6.8	9.0
W	1.1	2.3	3.1	1.9	.4	.1	.0					8.9	8.7
WNW	.8	.7	.6	.2	.0	.1	.0					2.5	7.1
NW	1.0	.6	.6	.3	.0	.1						2.7	6.5
NNW	.3	.6	.5	.0								1.5	5.7
VARBL	.6	.1	.3	.0								1.0	4.8
CALM												19.3	
	17.1	25.6	25.4	10.7	1.2	.3	.1	.0		.0		100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

2324

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.9	1.1	.3								3.1	6.5
NNE	.4	.6	.8	.3								2.2	7.1
NE	.3	.5	1.6	1.8	.1							4.3	9.7
ENE	.4	2.0	3.2	1.8								7.4	8.3
E	2.4	3.7	4.3	.9								11.2	6.3
ESE	.9	1.4	.7	.0								3.1	5.0
SE	2.2	1.3	.3	.0								3.8	3.7
SSE	1.6	.9	.5									3.0	4.1
S	2.7	3.4	1.8	.3								8.2	5.2
SSW	.7	1.6	1.3	.6	.1							4.3	7.2
SW	.4	2.0	2.8	2.2	.3	.1						7.8	9.2
WSW	.5	1.1	2.4	1.8	.4	.0		.0				6.2	9.8
W	.8	1.8	4.0	3.7	.8	.1	.0					11.3	10.0
WNW	.6	.2	.6	.4	.2	.0						2.9	6.9
NW	.6	.7	.9	.2	.2	.1	.0					2.8	8.5
NNW	.4	.6	.4	.3								1.7	7.0
VARBL	.7	.7	.4	.1								1.9	5.1
CALM												14.7	
	16.8	24.1	27.6	14.8	2.1	.4	.1	.0				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

2325

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 STATION 46-70 NIESBADEN AB GERMANY YEARS CEC NORTH  
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	1.6	.1								4.9	5.6
NNE	.8	.7	1.2	.3								3.1	6.7
NE	1.1	1.1	1.0	1.2	.2							4.6	7.9
ENE	1.5	2.3	2.6	.8	.0							7.3	6.8
E	2.8	3.5	3.1	.4	.0							9.9	5.7
ESE	1.0	1.5	.2									2.8	4.2
SE	1.0	.5	.2	.0	.0							1.9	4.5
SSE	1.2	1.0	.3									2.5	4.1
S	2.5	4.3	1.7	.4								8.8	5.2
SSW	.9	1.3	1.4	.7								4.4	6.8
SW	.8	2.2	3.6	2.1	.2							8.9	8.4
WSW	.5	1.4	1.9	2.1	.3	.2						6.4	9.7
W	1.3	2.8	2.9	1.9	.4	.1						9.6	7.9
WNW	.4	.6	.8	.6								2.4	7.8
NW	.6	.9	.4	.6	.1		.1					2.7	8.1
NNW	.5	.4	.3	.2								1.5	5.8
VARBL	.5	.8	.3	.1		.0						1.8	5.6
CALM												16.6	
	19.9	27.5	23.7	11.6	1.3	.3	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/40

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010 STATION WIESBADEN AB GERMANY 46-70 YEARS REC MONTH 1800-2000 HOURS (LST.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.0	1.1	.4								5.4	5.5
NNE	1.2	1.5	.6	.5								4.0	5.9
NE	1.5	1.5	1.4	1.2	.0							5.9	6.9
ENE	1.4	2.0	2.2	.7								6.3	6.6
E	2.5	4.2	2.5	.7								9.9	5.7
ESE	.5	.6	.2									1.4	3.6
SE	.8	.9	.2	.0								1.9	4.4
SSE	.7	.9	.6	.1								2.3	5.3
S	1.5	3.4	2.5	.4								7.8	5.7
SSW	1.0	1.8	1.3	.5	.0							4.6	6.3
SW	.6	2.1	2.6	1.8	.3	.0						7.6	8.4
WSW	.9	1.5	2.2	1.4	.3	.1						6.4	8.8
W	1.4	1.4	2.1	1.6	.2							6.6	7.8
WNW	.5	.6	.9	.3		.0						2.3	7.5
NW	.3	.8	.6	.3	.1	.2						2.5	9.1
NNW	.4	.8	.6	.1								1.9	5.8
VARBL	.4	.6	.6	.0								1.7	5.7
CALM												21.6	
	13.0	26.7	22.2	10.1	.9	.4						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3501C  
STATION

RIESSBADEN AB GERMANY  
STATION NAME

45-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.8	1.7	.3		.0						5.5	5.8
NNE	1.0	1.1	.7	.3								3.0	5.5
NE	1.1	1.9	1.6	1.1	.2							5.9	7.4
ENE	1.2	3.1	2.4	.6	.1							7.5	6.5
E	2.2	3.8	2.5	.9								9.8	5.9
ESE	1.2	1.0	.3									2.5	4.0
SE	.7	1.0	.1	.0								1.9	4.0
SSE	.6	.8	.2	.2								1.8	5.1
S	1.5	3.1	1.6	.6								7.2	5.8
SSW	.9	1.5	1.1	.4								4.0	6.1
SW	1.0	2.4	2.5	1.8	.3							7.9	8.1
WSW	.6	1.3	1.6	1.3	.3	.1						5.2	9.3
W	1.1	2.3	2.4	1.9	.2	.0						7.8	8.1
WNW	.3	.7	.6	.1								1.8	6.0
NW	.7	.6	.8	.3	.2	.2						2.9	8.4
NNW	.4	.3	.6	.1	.0							1.4	6.5
VARBL	.5	.4	.4	.2								1.5	5.9
CALM												22.3	
	17.5	27.2	21.0	10.2	1.3	.4						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

2324



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

ALL  
NORTH

INSTRUMENT  
CLASS

ALL  
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.0	.5	.2	.0	.0						3.2	4.9
NNE	1.0	.6	.4	.1	.0	.0						2.2	3.2
NE	1.4	1.1	.8	.3	.1	.0						3.6	5.7
ENE	1.3	1.7	1.0	.4	.0							5.1	6.1
E	3.5	3.9	2.5	.5	.0	.0						10.5	5.3
ESE	1.5	1.5	.3	.0								3.3	4.1
SE	1.5	1.4	.3	.0	.0							3.4	4.0
SSE	1.5	1.3	.4	.1	.0							3.2	4.2
S	3.1	4.2	1.9	.3	.0	.0						9.5	5.0
SSW	.9	1.2	.7	.2	.0	.0						3.0	5.5
SW	1.1	1.0	1.2	.6	.1	.0						4.5	6.6
WSW	.9	1.1	.9	.5	.1	.0				.0		3.5	7.0
W	1.5	1.0	1.0	.4	.0	.0	.0					5.0	3.7
WNW	1.1	.8	.3	.1	.0	.0	.0					2.3	4.6
NW	1.0	.8	.4	.2	.0	.0	.0					2.4	5.3
NNW	.7	.5	.3	.1	.0	.0	.0	.0				1.6	5.5
VARBL	.8	.2	.0	.0								.9	2.4
CALM												32.7	
	24.4	24.6	13.4	4.2	.5	.1	.0	.0		.0		100.2	3.6

TOTAL NUMBER OF OBSERVATIONS 40251

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 5/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

AKI

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800																
≥ 1500																92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

40-70

YEARS

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.16	≥.1
NO CEILING		24.9	27.1	29.2	30.8	31.6	32.6	33.2	33.4	33.8	34.1	34.2	34.3	34.4	34.4	34.5
≥ 20000		29.0	31.6	34.1	35.9	36.9	38.1	38.8	39.1	39.6	39.9	40.0	40.1	40.2	40.2	40.4
≥ 18000		29.2	31.8	34.4	36.2	37.2	38.4	39.1	39.4	39.9	40.2	40.3	40.4	40.5	40.6	40.7
IV 16000		29.3	31.9	34.5	36.3	37.3	38.5	39.2	39.5	40.0	40.3	40.4	40.5	40.6	40.7	40.8
IV 14000		29.7	32.3	34.9	36.8	37.7	39.0	39.7	40.0	40.3	40.8	40.9	41.0	41.1	41.2	41.3
IV 12000		30.3	32.9	35.5	37.9	38.9	40.2	40.9	41.2	41.7	42.0	42.1	42.3	42.4	42.4	42.6
IV 10000		32.4	35.2	38.1	40.3	41.3	42.8	43.6	43.9	44.4	44.8	44.9	45.1	45.2	45.2	45.4
IV 9000		33.7	36.7	39.7	42.0	43.1	44.6	45.5	45.8	46.4	46.8	46.9	47.0	47.2	47.2	47.4
IV 8000		36.3	39.6	42.9	45.5	46.7	48.4	49.3	49.7	50.4	50.8	50.9	51.1	51.2	51.3	51.5
IV 7000		38.4	41.9	45.5	48.2	49.5	51.4	52.4	.8	53.3	53.9	54.0	54.2	54.4	54.4	54.6
IV 6000		40.7	44.4	48.2	51.1	52.3	54.4	55.4	55.9	56.6	57.1	57.2	57.4	57.6	57.6	57.8
IV 5000		43.5	47.5	51.6	54.7	56.2	58.2	59.4	59.9	60.6	61.1	61.2	61.5	61.6	61.7	61.9
IV 4500		45.4	49.6	53.9	57.1	58.7	60.9	62.1	62.6	63.4	63.9	64.0	64.3	64.4	64.5	64.7
IV 4000		48.0	52.5	57.1	60.5	62.2	64.4	65.7	66.2	67.1	67.6	67.8	68.0	68.2	68.2	68.5
IV 3500		50.4	55.2	60.1	63.7	65.4	67.8	69.1	69.6	70.3	71.1	71.3	71.5	71.7	71.8	72.0
IV 3000		53.9	58.4	63.6	67.5	69.3	71.8	73.3	73.9	74.8	75.4	75.6	75.9	76.1	76.1	76.4
IV 2500		55.9	61.4	67.1	71.2	73.2	76.0	77.5	78.2	79.2	79.9	80.1	80.4	80.6	80.7	80.9
IV 2000		58.3	64.6	70.6	75.3	77.5	80.5	82.3	83.0	84.2	85.0	85.2	85.5	85.8	85.8	86.1
IV 1800		58.8	65.0	71.4	76.3	78.5	81.7	83.5	84.3	85.5	86.3	86.5	86.9	87.1	87.2	87.4
IV 1500		59.7	66.2	73.0	78.2	80.6	84.1	86.1	86.9	88.2	89.1	89.4	89.8	90.0	90.1	90.3
IV 1200		60.0	66.7	73.7	79.2	81.8	85.5	87.6	88.5	90.0	90.9	91.3	91.7	91.9	92.0	92.2
IV 1000		60.1	66.9	74.2	79.8	82.5	86.4	88.7	89.7	91.3	92.3	92.7	93.2	93.5	93.5	93.8
IV 900		60.2	67.0	74.2	79.9	82.7	86.6	89.0	90.0	91.6	92.7	93.1	93.6	93.9	94.0	94.2
IV 800		60.2	67.0	74.3	80.1	82.9	86.9	89.4	90.4	92.1	93.4	93.8	94.3	94.6	94.7	94.9
IV 700		60.2	67.0	74.4	80.2	83.0	87.1	89.6	90.7	92.5	93.8	94.2	94.7	95.1	95.2	95.4
IV 600		60.2	67.1	74.4	80.2	83.1	87.2	89.8	90.9	92.8	94.1	94.6	95.2	95.6	95.6	95.9
IV 500		60.2	67.1	74.4	80.3	83.1	87.3	89.9	91.1	93.1	94.6	95.1	95.8	96.3	96.4	96.7
IV 400		60.2	67.1	74.4	80.3	83.1	87.3	90.0	91.2	93.3	94.8	95.3	96.3	96.8	96.9	97.2
IV 300		60.2	67.1	74.4	80.3	83.2	87.4	90.1	91.3	93.4	95.0	95.7	96.6	97.3	97.4	97.8
IV 200		60.2	67.1	74.4	80.3	83.2	87.4	90.1	91.3	93.4	95.1	95.8	96.7	97.6	97.7	98.3
IV 100		60.2	67.1	74.4	80.3	83.2	87.4	90.1	91.3	93.4	95.1	95.8	96.8	97.7	97.8	99.0
IV 0		60.2	67.1	74.4	80.3	83.2	87.4	90.1	91.3	93.4	95.1	95.8	96.8	97.7	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 217184

DATA PROCESSING DIVISION  
USAF ETAC  
AFR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

47-70

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
LOCALITY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000		13.2	14.9	16.9	18.4	19.3	20.5	21.1	21.5	22.1	22.4	22.6	22.8	22.9	22.9	23.1
≥ 18000		14.2	16.1	18.4	20.2	21.3	22.7	23.5	24.1	24.8	25.1	25.3	25.5	25.7	25.8	25.9
≥ 16000		14.2	16.1	18.4	20.3	21.3	22.7	23.5	24.1	24.8	25.1	25.3	25.5	25.7	25.8	25.9
≥ 14000		14.3	16.2	18.6	20.5	21.5	23.0	23.8	24.4	25.1	25.3	25.7	25.9	26.1	26.1	26.3
≥ 12000		14.7	16.7	19.2	21.2	22.3	23.8	24.7	25.3	26.0	26.4	26.6	26.9	27.0	27.1	27.3
≥ 10000		15.3	17.3	20.1	22.2	23.3	25.1	26.0	26.7	27.5	27.9	28.2	28.3	28.7	28.7	28.9
≥ 9000		15.7	17.9	20.8	23.1	24.3	26.1	27.0	27.7	28.6	29.1	29.3	29.6	29.8	29.9	30.1
≥ 8000		16.8	19.3	22.4	24.9	26.3	28.2	29.3	30.1	31.0	31.5	31.7	32.1	32.3	32.4	32.6
≥ 7000		17.8	20.4	23.8	26.4	27.9	30.0	31.1	31.9	32.9	33.4	33.7	34.1	34.3	34.4	34.6
≥ 6000		19.0	21.7	25.2	28.0	29.5	31.6	32.9	33.7	34.7	35.2	35.3	35.9	36.2	36.2	36.4
≥ 5000		20.3	23.3	27.0	30.0	31.7	33.9	35.3	36.2	37.2	37.8	38.1	38.5	38.8	38.8	39.1
≥ 4500		21.4	24.5	28.5	31.7	33.4	35.8	37.3	38.3	39.4	40.0	40.3	40.8	41.0	41.1	41.3
≥ 4000		22.9	26.1	30.4	33.8	35.6	38.2	39.9	40.9	42.0	42.7	43.1	43.6	43.9	44.1	44.1
≥ 3500		25.1	28.6	33.2	36.8	38.8	41.5	43.3	44.4	45.6	46.3	46.7	47.2	47.5	47.6	47.8
≥ 3000		27.9	31.9	37.0	40.9	43.1	46.2	48.2	49.4	50.7	51.6	52.0	52.5	52.8	52.9	53.1
≥ 2500		31.5	36.1	41.9	46.6	48.7	52.2	54.6	55.8	57.3	58.2	58.6	59.2	59.6	59.7	59.9
≥ 2000		35.2	40.7	47.6	53.0	55.8	59.8	62.5	63.9	65.6	66.7	67.2	67.9	68.3	68.4	68.6
≥ 1800		36.3	42.0	49.2	55.0	58.1	62.4	65.3	66.7	68.6	69.7	70.2	70.9	71.3	71.4	71.7
≥ 1500		38.0	44.4	52.4	58.9	62.4	67.6	70.6	72.3	74.3	75.8	76.4	77.2	77.7	77.8	78.0
≥ 1200		38.5	45.2	53.7	60.8	64.7	70.3	74.0	75.8	78.3	79.9	80.5	81.3	82.0	82.1	82.4
≥ 1000		38.8	45.7	54.5	61.9	65.9	72.0	76.0	78.1	80.9	82.7	83.4	84.3	85.1	85.2	85.5
≥ 900		38.8	45.8	54.7	62.2	66.3	72.5	76.7	78.9	81.8	83.7	84.5	85.6	86.3	86.4	86.7
≥ 800		38.9	45.9	54.8	62.4	66.6	72.9	77.3	79.7	82.8	84.8	85.6	86.8	87.6	87.9	88.2
≥ 700		38.9	46.0	54.9	62.6	66.8	73.3	77.7	80.2	83.5	85.6	86.4	87.8	88.6	89.1	89.4
≥ 600		38.9	46.0	54.9	62.7	66.9	73.5	78.1	80.7	84.1	86.6	87.8	89.3	90.2	90.3	90.6
≥ 500		38.9	46.0	55.0	62.8	67.0	73.7	78.5	81.1	84.8	87.6	88.9	90.8	91.7	92.0	92.4
≥ 400		38.9	46.0	55.0	62.8	67.0	73.8	78.5	81.4	85.2	88.2	89.6	91.9	93.3	93.4	93.9
≥ 300		38.9	46.0	55.0	62.8	67.0	73.8	78.6	81.5	85.4	88.7	90.2	92.7	94.4	94.6	95.3
≥ 200		38.9	46.0	55.0	62.8	67.0	73.8	78.6	81.5	85.5	88.8	90.4	93.1	95.2	95.5	96.8
≥ 100		38.9	46.0	55.0	62.8	67.0	73.8	78.6	81.5	85.5	88.9	90.4	93.2	95.5	95.9	98.3
≥ 0		38.9	46.0	55.0	62.8	67.0	73.8	78.6	81.5	85.5	88.9	90.5	93.2	95.5	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 17851

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

47-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
SOURCES

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		14.9	17.3	20.1	22.1	23.2	25.0	26.0	26.4	27.1	27.6	27.8	28.1	28.3	28.3	28.5
≥ 23000		16.7	19.6	23.0	25.5	26.9	29.1	30.2	30.7	31.5	32.1	32.2	32.3	32.5	32.8	33.1
≥ 18000		16.8	19.7	23.1	25.7	27.1	29.3	30.4	30.9	31.7	32.3	32.4	32.7	33.0	33.0	33.3
≥ 16000		16.8	19.8	23.2	25.8	27.2	29.5	30.6	31.0	31.9	32.5	32.6	32.9	33.1	33.2	33.5
≥ 14000		17.1	20.0	23.4	26.0	27.5	29.7	30.8	31.3	32.1	32.7	32.8	33.2	33.4	33.4	33.8
≥ 12000		17.5	20.5	24.0	26.7	28.2	30.5	31.6	32.1	33.0	33.6	33.8	34.1	34.3	34.4	34.7
≥ 10000		18.2	21.3	25.1	27.9	29.5	32.0	33.3	33.8	34.7	35.3	35.5	35.8	36.1	36.1	36.4
≥ 9000		18.8	22.0	25.9	28.9	30.6	33.2	34.4	34.9	35.9	36.6	36.8	37.1	37.3	37.4	37.7
≥ 8000		20.1	23.6	27.7	31.0	32.8	35.7	37.0	37.6	38.7	39.4	39.6	40.0	40.2	40.3	40.6
≥ 7000		21.2	24.9	29.3	32.8	34.8	37.8	39.4	40.1	41.3	42.0	42.2	42.6	42.9	42.9	43.3
≥ 6000		22.4	26.3	30.9	34.6	36.7	39.9	41.3	42.2	43.4	44.3	44.5	44.9	45.2	45.3	45.7
≥ 5000		24.5	28.7	33.6	37.6	39.8	43.2	45.0	45.8	47.1	48.1	48.3	48.8	49.1	49.1	49.5
≥ 4500		26.2	30.5	34.8	39.9	42.1	45.7	47.5	48.4	49.8	50.8	51.0	51.5	51.8	51.9	52.2
≥ 4000		28.2	32.7	38.3	42.7	45.0	48.7	50.7	51.6	53.1	54.1	54.3	54.8	55.2	55.2	55.6
≥ 3500		30.4	35.2	41.2	45.8	48.3	52.2	54.3	55.2	56.9	57.9	58.2	58.7	59.1	59.1	59.5
≥ 3000		33.5	38.6	45.1	50.0	52.5	56.7	59.0	60.0	61.8	62.9	63.2	63.7	64.1	64.1	64.5
≥ 2500		36.9	42.5	49.6	55.0	57.8	62.5	65.1	66.2	68.1	69.4	69.7	70.4	70.7	70.8	71.2
≥ 2000		40.2	46.6	54.7	60.8	64.1	69.3	72.6	73.8	76.2	77.6	78.1	78.8	79.3	79.3	79.7
≥ 1800		40.9	47.5	55.9	62.1	65.5	71.1	74.3	75.6	78.0	79.6	80.0	80.8	81.2	81.3	81.7
≥ 1500		41.7	48.7	57.5	64.2	67.8	73.0	77.4	78.9	81.5	83.2	83.7	84.5	85.0	85.1	85.5
≥ 1200		42.2	49.4	58.5	65.5	69.2	75.0	79.5	81.1	84.0	85.8	86.4	87.2	87.7	87.8	88.2
≥ 1000		42.4	49.7	59.0	66.2	70.1	76.0	80.9	82.5	85.8	87.9	88.2	89.3	90.1	90.1	90.6
≥ 900		42.4	49.8	59.1	66.3	70.2	77.1	81.2	82.9	86.2	88.5	89.2	90.2	90.7	90.8	91.3
≥ 800		42.5	49.8	59.1	66.4	70.3	77.3	81.6	83.4	86.7	89.4	90.2	91.2	91.8	91.9	92.3
≥ 700		42.5	49.8	59.2	66.4	70.4	77.3	81.8	83.7	87.4	90.0	90.9	92.0	92.6	92.8	93.2
≥ 600		42.5	49.8	59.2	66.5	70.4	77.6	82.0	83.9	87.7	90.5	91.5	92.7	93.4	93.5	93.9
≥ 500		42.5	49.8	59.2	66.5	70.5	77.6	82.1	84.1	88.1	91.2	92.3	93.8	94.6	94.7	95.2
≥ 400		42.5	49.8	59.2	66.5	70.5	77.7	82.2	84.2	88.4	91.7	92.8	94.7	95.5	95.6	96.1
≥ 300		42.5	49.8	59.2	66.5	70.5	77.7	82.2	84.2	88.4	91.8	93.0	94.9	95.8	96.0	96.5
≥ 200		42.5	49.8	59.2	66.5	70.5	77.7	82.2	84.2	88.4	91.8	93.0	94.9	95.8	96.0	96.5
≥ 100		42.5	49.8	59.2	66.5	70.5	77.7	82.2	84.2	88.4	91.8	93.0	94.9	95.8	96.0	96.5
≥ 0		42.5	49.8	59.2	66.5	70.5	77.7	82.2	84.2	88.4	91.8	93.0	94.9	95.8	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 16269

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

40-70  
YEARS

ALL  
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25/16	≥.2	≥0
NO CEILING		24.8	27.9	30.2	33.2	34.4	35.9	36.8	37.1	37.6	38.0	38.2	38.3	38.4	38.4	39.5
≥ 20000		27.6	31.7	35.2	37.8	39.2	41.0	42.0	42.4	42.9	43.4	43.6	43.7	43.8	43.8	44.0
IV 18000		28.0	31.9	35.5	38.1	39.5	41.3	42.3	42.7	43.2	43.7	43.9	44.0	44.1	44.1	44.3
IV 16000		28.0	31.9	35.5	38.1	39.5	41.3	42.4	42.8	43.3	43.8	43.9	44.1	44.2	44.2	44.3
IV 14000		28.3	32.2	35.8	38.4	39.8	41.7	42.8	43.1	43.7	44.2	44.3	44.5	44.6	44.6	44.7
IV 12000		28.9	33.0	36.7	39.4	40.8	42.7	43.8	44.2	44.8	45.3	45.4	45.6	45.7	45.7	45.9
IV 10000		30.2	34.5	38.4	41.4	42.9	44.9	46.1	46.5	47.1	47.7	47.8	48.0	48.1	48.1	48.2
IV 9000		30.9	35.2	39.4	42.4	44.0	46.1	47.4	47.8	48.5	49.1	49.2	49.4	49.5	49.5	49.6
IV 8000		32.8	37.4	41.8	45.2	46.9	49.3	50.7	51.2	51.9	52.5	52.7	52.9	53.0	53.0	53.1
IV 7000		34.3	39.2	43.9	47.4	49.2	51.7	53.2	53.8	54.6	55.3	55.4	55.6	55.8	55.8	55.9
IV 6000		36.0	41.2	46.1	49.8	51.7	54.3	55.9	56.4	57.3	58.0	58.2	58.4	58.5	58.5	58.7
IV 5000		38.2	43.7	49.0	53.0	55.0	57.7	59.4	60.0	60.9	61.7	61.9	62.1	62.3	62.3	62.4
IV 4500		40.0	45.8	51.4	55.7	57.9	60.7	62.5	63.1	64.0	64.8	65.0	65.2	65.4	65.4	65.5
IV 4000		42.5	48.6	54.5	59.0	61.4	64.4	66.2	66.8	67.8	68.7	68.8	69.1	69.2	69.2	69.4
IV 3500		45.3	51.8	58.1	62.9	65.5	68.5	70.4	71.1	72.1	73.0	73.1	73.4	73.6	73.6	73.7
IV 3000		48.4	55.4	62.2	67.5	70.1	73.4	75.4	76.1	77.2	78.2	78.3	78.6	78.8	78.8	78.9
IV 2500		51.5	59.1	66.8	72.3	75.0	78.5	80.6	81.4	82.6	83.5	83.7	84.0	84.2	84.2	84.4
IV 2000		54.1	62.3	70.8	77.3	80.2	83.9	86.1	86.9	88.2	89.2	89.4	89.7	89.8	89.9	90.0
IV 1800		54.5	62.9	71.6	78.3	81.3	85.1	87.4	88.3	89.5	90.6	90.8	91.1	91.2	91.3	91.4
IV 1500		55.3	64.0	73.1	80.3	83.4	87.3	89.9	90.8	92.2	93.3	93.5	93.8	94.0	94.0	94.2
IV 1200		55.6	64.4	73.7	81.1	84.4	88.6	91.2	92.2	93.6	94.8	95.0	95.3	95.6	95.6	95.8
IV 1000		55.8	64.8	74.1	81.8	85.1	89.6	92.2	93.2	94.8	96.0	96.3	96.7	96.9	96.9	97.1
IV 900		55.8	64.8	74.2	81.8	85.1	89.6	92.3	93.3	94.9	96.2	96.5	96.8	97.1	97.1	97.3
IV 800		55.8	64.8	74.2	82.0	85.3	89.9	92.7	93.7	95.4	96.7	97.0	97.4	97.6	97.7	97.9
IV 700		55.8	64.8	74.2	82.0	85.4	90.0	92.8	93.9	95.6	97.0	97.3	97.7	98.0	98.0	98.2
IV 600		55.8	64.8	74.2	82.1	85.4	90.1	92.9	94.0	95.7	97.2	97.5	98.0	98.2	98.3	98.5
IV 500		55.8	64.8	74.2	82.1	85.5	90.1	93.0	94.1	95.8	97.3	97.8	98.3	98.6	98.7	98.9
IV 400		55.8	64.8	74.2	82.1	85.5	90.1	93.0	94.1	95.9	97.4	97.9	98.4	98.8	98.9	99.1
IV 300		55.8	64.8	74.2	82.1	85.5	90.1	93.0	94.1	95.9	97.5	98.0	98.5	98.9	99.0	99.3
IV 200		55.8	64.8	74.2	82.1	85.5	90.1	93.0	94.2	95.9	97.5	98.0	98.6	99.1	99.2	99.6
IV 100		55.8	64.8	74.2	82.1	85.5	90.1	93.0	94.2	95.9	97.5	98.0	98.6	99.1	99.2	99.6
IV 0		55.8	64.8	74.2	82.1	85.5	90.1	93.0	94.2	95.9	97.5	98.0	98.6	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 18592



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING		33.1	35.2	37.0	38.1	38.6	39.0	39.2	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000		38.8	41.4	43.7	45.2	45.9	46.5	46.8	46.9	47.0	47.0	47.0	47.1	47.1	47.1	47.1
≥ 18000		39.1	41.7	44.1	45.5	46.2	46.8	47.1	47.2	47.3	47.4	47.4	47.4	47.5	47.5	47.5
≥ 16000		39.3	41.9	44.3	45.7	46.4	47.0	47.3	47.4	47.5	47.6	47.6	47.6	47.7	47.7	47.7
≥ 14000		39.7	42.4	44.8	46.3	47.0	47.6	47.9	48.0	48.1	48.2	48.2	48.2	48.3	48.3	48.3
≥ 12000		40.8	43.5	46.1	47.6	48.4	49.0	49.3	49.4	49.6	49.6	49.6	49.7	49.7	49.7	49.7
≥ 10000		42.9	45.8	48.6	50.3	51.2	51.8	52.2	52.3	52.5	52.5	52.5	52.6	52.6	52.6	52.6
≥ 9000		44.4	47.5	50.4	52.3	53.2	54.0	54.4	54.5	54.6	54.7	54.7	54.8	54.8	54.8	54.8
≥ 8000		47.2	50.7	54.1	56.2	57.3	58.2	58.7	58.9	59.1	59.2	59.2	59.2	59.2	59.3	59.3
≥ 7000		49.4	53.1	56.7	59.5	60.2	61.2	61.7	61.9	62.2	62.3	62.3	62.3	62.4	62.4	62.4
≥ 6000		52.0	56.0	59.9	62.4	63.7	64.8	65.3	65.6	65.8	65.9	65.9	66.0	66.0	66.0	66.0
≥ 5000		55.7	60.1	64.3	67.0	68.3	69.3	70.1	70.4	70.6	70.7	70.8	70.8	70.9	70.9	70.9
≥ 4500		58.3	62.9	67.4	70.2	71.6	72.9	73.5	73.8	74.0	74.2	74.2	74.2	74.3	74.3	74.3
≥ 4000		61.9	66.5	71.3	74.4	75.9	77.3	78.0	78.3	78.5	78.7	78.7	78.7	78.8	78.8	78.8
≥ 3500		55.1	70.3	75.2	78.3	79.8	81.3	82.0	82.3	82.5	82.6	82.7	82.7	82.7	82.8	82.8
≥ 3000		68.6	74.1	79.3	82.6	84.2	85.3	86.5	86.8	87.1	87.2	87.3	87.3	87.3	87.3	87.4
≥ 2500		71.3	77.3	83.8	86.3	88.0	89.6	90.8	90.8	91.1	91.2	91.2	91.3	91.3	91.4	91.4
≥ 2000		74.0	80.2	86.0	89.8	91.6	93.5	94.2	94.6	94.9	95.0	95.1	95.1	95.1	95.2	95.2
≥ 1800		74.3	80.9	86.7	90.3	92.3	94.2	95.0	95.4	95.8	95.9	95.9	96.0	96.0	96.0	96.1
≥ 1500		75.2	81.6	87.8	91.7	93.6	95.3	96.6	96.8	97.2	97.4	97.4	97.5	97.5	97.5	97.5
≥ 1200		75.4	82.1	88.2	92.2	94.2	96.2	97.2	97.6	98.0	98.2	98.3	98.3	98.3	98.4	98.4
≥ 1000		75.5	82.2	88.4	92.4	94.3	96.3	97.6	98.0	98.3	98.7	98.7	98.8	98.8	98.8	98.9
≥ 900		75.5	82.2	88.4	92.4	94.3	96.3	97.6	98.0	98.3	98.7	98.7	98.8	98.8	98.8	98.9
≥ 800		75.5	82.2	88.4	92.4	94.3	96.3	97.6	98.0	98.3	98.7	98.7	98.8	98.8	98.8	98.9
≥ 700		75.5	82.2	88.4	92.4	94.3	96.3	97.6	98.0	98.3	98.7	98.7	98.8	98.8	98.8	98.9
≥ 600		75.5	82.2	88.4	92.4	94.3	96.3	97.6	98.0	98.3	98.7	98.7	98.8	98.8	98.8	98.9
≥ 500		75.5	82.2	88.4	92.4	94.3	96.3	97.6	98.0	98.3	98.7	98.7	98.8	98.8	98.8	98.9
≥ 400		75.5	82.2	88.4	92.4	94.3	96.3	97.6	98.0	98.3	98.7	98.7	98.8	98.8	98.8	98.9
≥ 300		75.5	82.2	88.4	92.4	94.3	96.3	97.6	98.0	98.3	98.7	98.7	98.8	98.8	98.8	98.9
≥ 200		75.5	82.2	88.4	92.4	94.3	96.3	97.6	98.0	98.3	98.7	98.7	98.8	98.8	98.8	98.9
≥ 100		75.5	82.2	88.4	92.4	94.3	96.3	97.6	98.0	98.3	98.7	98.7	98.8	98.8	98.8	98.9
≥ 0		75.5	82.2	88.4	92.4	94.3	96.3	97.6	98.0	98.3	98.7	98.7	98.8	98.8	98.8	98.9

TOTAL NUMBER OF OBSERVATIONS 17585

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 41ESBADEN AB GERMANY

46-70

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		35.1	38.8	38.1	39.0	39.4	39.6	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 20000		42.9	44.9	46.7	47.8	48.2	48.5	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 18000		43.6	45.7	47.3	48.2	49.0	49.3	49.4	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6
≥ 16000		43.8	45.8	47.6	48.7	49.2	49.5	49.6	49.6	49.7	49.7	49.8	49.8	49.8	49.8	49.8
≥ 14000		44.4	46.4	48.3	49.4	49.8	50.1	50.2	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4
≥ 12000		45.5	47.7	49.6	50.7	51.1	51.5	51.6	51.6	51.7	51.7	51.8	51.8	51.8	51.8	51.8
≥ 10000		48.6	50.8	52.9	54.1	54.6	55.0	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.4
≥ 9000		50.8	53.2	55.4	56.7	57.3	57.7	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 8000		55.2	57.9	60.3	61.8	62.5	63.0	63.2	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5
≥ 7000		58.0	60.9	63.6	65.2	65.9	66.5	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.1
≥ 6000		61.6	64.9	67.7	69.5	70.2	70.9	71.2	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5
≥ 5000		65.6	69.2	72.2	74.2	74.9	75.7	76.0	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3
≥ 4500		68.2	72.0	75.3	77.3	78.1	78.9	79.2	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.6
≥ 4000		72.2	76.2	79.7	81.9	82.7	83.6	83.9	84.0	84.2	84.2	84.3	84.3	84.3	84.3	84.3
≥ 3500		75.1	79.6	83.0	85.3	86.1	87.1	87.4	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3000		78.3	82.8	86.6	89.0	89.9	91.0	91.3	91.5	91.6	91.7	91.7	91.7	91.8	91.8	91.8
≥ 2500		80.3	85.1	89.2	91.7	92.6	93.7	94.1	94.2	94.4	94.5	94.5	94.5	94.6	94.6	94.6
≥ 2000		81.8	86.9	91.3	94.0	95.0	96.3	96.6	96.8	97.0	97.1	97.1	97.1	97.2	97.2	97.2
≥ 1800		81.9	87.1	91.5	94.3	95.3	96.6	97.0	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500		82.3	87.6	92.1	95.0	96.1	97.5	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200		82.4	87.7	92.3	95.3	96.4	97.8	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		82.4	87.7	92.4	95.4	96.6	98.0	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900		82.4	87.8	92.4	95.5	96.7	98.1	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800		82.4	87.8	92.5	95.5	96.7	98.1	98.7	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700		82.4	87.8	92.5	95.5	96.7	98.2	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600		82.4	87.8	92.5	95.5	96.7	98.2	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500		82.4	87.8	92.5	95.5	96.7	98.2	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400		82.4	87.8	92.5	95.5	96.8	98.3	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		82.4	87.8	92.5	95.5	96.8	98.3	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		82.4	87.8	92.5	95.5	96.8	98.3	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		82.4	87.8	92.5	95.5	96.8	98.3	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0		82.4	87.8	92.5	95.5	96.8	98.3	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 18543

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		34.6	36.3	37.7	38.7	39.2	39.6	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.9
≥ 20000		42.6	44.4	46.2	47.3	48.0	48.4	48.6	48.6	48.7	48.8	48.8	48.8	48.8	48.8
≥ 18000		42.7	44.8	46.3	47.7	48.4	48.8	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.2
IV 16000		42.8	44.8	46.6	47.7	48.3	48.9	49.0	49.1	49.1	49.2	49.2	49.2	49.2	49.2
IV 14000		43.3	45.3	47.1	48.3	49.0	49.3	49.6	49.7	49.7	49.8	49.8	49.8	49.8	49.8
IV 12000		44.6	46.7	48.6	49.8	50.3	51.0	51.1	51.2	51.2	51.3	51.3	51.3	51.3	51.3
IV 10000		47.4	49.7	51.8	53.2	54.0	54.4	54.6	54.7	54.7	54.8	54.8	54.8	54.9	54.9
IV 9000		49.3	52.1	54.4	56.9	58.8	59.3	59.5	59.6	59.7	59.7	59.8	59.8	59.8	59.8
IV 8000		53.3	56.4	59.0	60.8	61.7	62.3	62.3	62.6	62.7	62.8	62.8	62.8	62.8	62.9
IV 7000		56.7	59.9	62.7	64.7	65.6	66.4	66.4	66.7	66.8	66.9	66.9	67.0	67.0	67.0
IV 6000		60.3	63.8	66.8	68.9	69.9	70.7	70.9	71.1	71.2	71.3	71.3	71.3	71.4	71.4
IV 5000		54.2	60.0	71.3	73.7	74.8	75.7	76.0	76.1	76.3	76.4	76.4	76.4	76.5	76.5
IV 4500		66.3	70.3	74.1	76.8	77.7	78.6	79.0	79.1	79.3	79.4	79.4	79.4	79.5	79.5
IV 4000		70.1	75.2	78.1	80.7	81.8	82.9	83.2	83.4	83.5	83.6	83.7	83.7	83.7	83.8
IV 3500		72.9	77.3	81.3	84.1	85.3	86.4	86.7	86.9	87.1	87.2	87.2	87.2	87.3	87.3
IV 3000		73.7	80.3	84.6	87.6	88.9	90.0	90.4	90.6	90.7	90.8	90.9	90.9	91.0	91.0
IV 2500		77.6	83.3	87.0	90.1	91.6	92.7	93.2	93.4	93.5	93.6	93.7	93.7	93.7	93.8
IV 2000		79.3	84.4	88.1	92.4	93.9	95.2	95.7	95.9	96.1	96.2	96.3	96.3	96.4	96.4
IV 1800		79.3	84.7	88.3	92.9	94.3	95.7	96.2	96.4	96.6	96.7	96.8	96.8	96.9	96.9
IV 1500		80.1	85.3	90.3	94.0	95.3	96.7	97.3	97.5	97.7	97.8	97.9	97.9	98.0	98.0
IV 1200		80.2	85.6	90.8	94.4	95.9	97.4	98.0	98.2	98.3	98.4	98.5	98.5	98.6	98.6
IV 1000		80.3	85.8	91.0	94.6	96.2	97.8	98.4	98.6	98.7	98.8	98.9	98.9	99.0	99.0
IV 900		80.3	85.8	91.0	94.7	96.3	97.9	98.5	98.7	98.8	98.9	99.0	99.0	99.1	99.1
IV 800		80.3	85.8	91.0	94.7	96.3	97.9	98.5	98.7	98.8	98.9	99.0	99.0	99.1	99.1
IV 700		80.3	85.8	91.0	94.8	96.4	98.0	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.2
IV 600		80.3	85.8	91.0	94.8	96.4	98.0	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.2
IV 500		80.3	85.8	91.0	94.8	96.4	98.0	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.2
IV 400		80.3	85.8	91.0	94.8	96.4	98.0	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.2
IV 300		80.3	85.8	91.0	94.8	96.4	98.0	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.2
IV 200		80.3	85.8	91.0	94.8	96.4	98.0	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.2
IV 100		80.3	85.8	91.0	94.8	96.4	98.0	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.2
IV 0		80.3	85.8	91.0	94.8	96.4	98.0	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.2

TOTAL NUMBER OF OBSERVATIONS 17993

DATA PROCESSING DIVISION  
USAF ETAC  
AFR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

48-70

YEARS

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING		35.9	38.0	39.7	40.7	41.1	41.3	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.9
≥ 20000		41.2	43.2	43.8	46.9	47.8	48.0	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.5
≥ 18000		41.3	44.0	46.1	47.3	47.9	48.4	48.6	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8
IV 16000		41.6	44.0	46.2	47.4	47.9	48.3	48.7	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9
IV 14000		42.0	44.9	46.7	47.9	48.4	49.0	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4
IV 12000		42.2	45.7	47.9	49.2	49.7	50.3	50.5	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.8
IV 10000		46.3	49.1	51.6	52.9	53.6	54.2	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 9000		46.3	51.4	54.0	55.4	56.0	56.7	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 8000		52.9	56.3	59.3	61.0	61.8	62.6	63.0	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3
IV 7000		56.8	60.6	63.8	65.6	66.4	67.3	67.7	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IV 6000		60.6	64.5	67.9	69.9	70.8	71.8	72.1	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 5000		64.6	68.8	72.5	74.7	75.6	76.7	77.1	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4
IV 4500		67.6	71.8	75.8	77.8	78.8	79.9	80.4	80.8	80.8	80.7	80.7	80.7	80.7	80.7	80.8
IV 4000		71.2	75.7	79.6	82.0	83.0	84.2	84.7	84.8	84.9	85.0	85.0	85.0	85.0	85.1	85.1
IV 3500		73.9	78.6	82.7	85.2	86.2	87.4	87.9	88.1	88.2	88.3	88.3	88.4	88.4	88.4	88.4
IV 3000		74.6	81.5	85.8	88.4	89.3	90.8	91.3	91.5	91.6	91.7	91.7	91.8	91.8	91.8	91.8
IV 2500		78.5	83.6	88.1	90.7	91.9	93.3	93.9	94.0	94.2	94.3	94.3	94.4	94.4	94.4	94.4
IV 2000		80.1	85.6	90.2	92.0	94.2	95.7	96.3	96.5	96.7	96.8	96.8	96.9	96.9	96.9	96.9
IV 1800		80.3	85.7	90.6	93.4	94.7	96.2	96.9	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.5
IV 1500		80.8	86.3	91.4	94.2	95.7	97.2	97.9	98.1	98.3	98.4	98.4	98.5	98.5	98.5	98.5
IV 1200		81.0	86.6	91.7	94.6	96.1	97.6	98.4	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000		81.1	86.7	91.8	94.8	96.3	97.8	98.7	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 900		81.1	86.7	91.9	94.9	96.4	97.9	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV 800		81.1	86.7	91.9	95.0	96.5	98.0	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 700		81.1	86.7	91.9	95.0	96.5	98.0	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 600		81.1	86.7	91.9	95.0	96.5	98.0	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 500		81.1	86.7	91.9	95.0	96.5	98.0	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 400		81.1	86.7	91.9	95.0	96.5	98.0	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 300		81.1	86.7	91.9	95.0	96.5	98.0	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 200		81.1	86.7	91.9	95.0	96.5	98.0	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 100		81.1	86.7	91.9	95.0	96.5	98.0	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 0		81.1	86.7	91.9	95.0	96.5	98.0	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 18869

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		33.8	35.6	37.2	38.1	38.6	39.0	39.3	39.4	39.5	39.5	39.6	39.6	39.6	39.6	39.6
≥ 20000		40.5	42.9	44.6	46.0	46.8	47.2	47.6	47.7	47.8	47.9	47.9	47.9	47.9	47.9	48.0
IV 18000		40.9	43.3	45.2	46.4	46.9	47.6	48.0	48.1	48.2	48.3	48.3	48.3	48.3	48.4	48.4
IV 16000		41.1	43.4	45.4	46.6	47.1	47.8	48.2	48.3	48.4	48.5	48.5	48.5	48.5	48.5	48.6
IV 1400		41.8	44.1	46.2	47.4	47.9	48.6	49.0	49.1	49.2	49.3	49.3	49.3	49.4	49.4	49.4
IV 1200		43.5	46.1	48.2	49.5	50.1	50.9	51.3	51.4	51.5	51.6	51.6	51.6	51.7	51.7	51.7
IV 10000		46.8	49.3	51.9	53.4	54.1	54.9	55.4	55.5	55.7	55.8	55.8	55.8	55.8	55.9	55.9
IV 9000		49.1	52.1	54.7	56.3	57.0	57.9	58.4	58.5	58.7	58.8	58.8	58.8	58.8	58.9	58.9
IV 8000		53.8	57.2	60.2	62.0	62.8	63.8	64.3	64.5	64.7	64.8	64.8	64.8	64.9	64.9	64.9
IV 7000		57.6	61.3	64.5	66.5	67.3	68.3	69.0	69.2	69.4	69.5	69.5	69.5	69.6	69.6	69.7
IV 6000		60.9	64.9	68.3	70.4	71.3	72.3	73.1	73.3	73.5	73.7	73.7	73.7	73.7	73.8	73.8
IV 5000		65.0	69.4	73.0	75.3	76.3	77.6	78.3	78.4	78.7	78.8	78.8	78.8	78.9	78.9	79.0
IV 4700		66.9	71.5	75.3	77.7	78.7	80.1	80.7	80.9	81.2	81.3	81.3	81.3	81.4	81.4	81.4
IV 4000		67.7	72.5	76.3	78.9	80.1	81.3	82.2	82.4	82.7	82.8	82.8	82.8	82.9	82.9	82.9
IV 3500		72.0	77.0	81.1	83.7	84.9	86.4	87.0	87.3	87.5	87.7	87.7	87.7	87.8	87.8	87.8
IV 3000		74.4	79.2	83.9	86.7	87.9	89.3	90.1	90.3	90.7	90.8	90.8	90.8	90.9	90.9	90.9
IV 2500		75.9	81.2	85.7	88.7	90.0	91.6	92.3	92.6	92.9	93.1	93.1	93.1	93.2	93.2	93.2
IV 2000		77.2	82.9	87.6	90.8	92.2	93.9	94.7	94.9	95.3	95.5	95.5	95.5	95.6	95.7	95.7
IV 1800		77.4	83.2	88.0	91.3	92.7	94.4	95.2	95.5	95.9	96.0	96.1	96.1	96.2	96.2	96.2
IV 1500		77.9	83.7	88.7	92.1	93.5	95.4	96.2	96.5	96.9	97.1	97.1	97.1	97.2	97.3	97.3
IV 1200		78.1	84.1	89.2	92.7	94.2	96.1	96.9	97.3	97.7	97.9	97.9	97.9	98.0	98.0	98.1
IV 1000		78.2	84.2	89.4	92.9	94.4	96.4	97.3	97.7	98.1	98.3	98.3	98.3	98.4	98.5	98.5
IV 900		78.2	84.2	89.5	93.0	94.5	96.5	97.4	97.8	98.2	98.4	98.4	98.4	98.5	98.6	98.7
IV 800		78.2	84.2	89.5	93.1	94.6	96.6	97.7	98.0	98.3	98.5	98.5	98.5	98.6	98.7	98.9
IV 700		78.2	84.3	89.5	93.1	94.7	96.7	97.8	98.1	98.4	98.6	98.6	98.6	98.7	98.8	98.9
IV 600		78.2	84.3	89.5	93.2	94.8	96.8	97.9	98.2	98.5	98.7	98.7	98.7	98.8	98.9	99.0
IV 500		78.2	84.3	89.5	93.2	94.8	96.8	97.9	98.2	98.5	98.7	98.7	98.7	98.8	98.9	99.0
IV 400		78.2	84.3	89.5	93.2	94.8	96.8	97.9	98.2	98.5	98.7	98.7	98.7	98.8	98.9	99.0
IV 300		78.2	84.3	89.5	93.2	94.8	96.8	97.9	98.2	98.5	98.7	98.7	98.7	98.8	98.9	99.0
IV 200		78.2	84.3	89.5	93.2	94.8	96.8	97.9	98.2	98.5	98.7	98.7	98.7	98.8	98.9	99.0
IV 100		78.2	84.3	89.5	93.2	94.8	96.8	97.9	98.2	98.5	98.7	98.7	98.7	98.8	98.9	99.0
IV 0		78.2	84.3	89.5	93.2	94.8	96.8	97.9	98.2	98.5	98.7	98.7	98.7	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 18463

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

33010 WIESBADEN AB GERMANY

46-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING		32.9	33.9	37.5	39.8	41.3	42.9	43.8	44.1	44.6	44.9	45.0	45.1	45.2	45.2	45.4
≥ 20000		34.8	38.3	42.1	45.0	46.6	48.6	49.6	49.9	50.6	51.0	51.1	51.2	51.3	51.3	51.6
≥ 18000		35.1	38.6	42.4	45.4	47.0	49.0	50.0	50.4	51.0	51.4	51.5	51.6	51.8	51.8	52.0
≥ 16000		35.2	38.7	42.5	45.5	47.1	49.0	50.1	50.5	51.1	51.5	51.6	51.7	51.9	51.9	52.1
≥ 14000		35.6	39.2	43.1	46.1	47.7	49.7	50.7	51.1	51.8	52.2	52.3	52.6	52.9	52.9	52.8
≥ 12000		36.8	40.5	44.5	47.7	49.3	51.4	52.4	52.8	53.5	53.9	54.0	54.1	54.2	54.3	54.5
≥ 10000		39.0	42.0	47.3	50.7	52.5	54.7	55.9	56.3	57.1	57.5	57.6	57.7	57.9	57.9	58.2
≥ 9000		40.8	44.9	49.4	52.9	54.8	57.1	58.4	58.8	59.6	60.1	60.2	60.3	60.5	60.5	60.8
≥ 8000		43.7	48.1	52.9	56.8	58.8	61.2	62.7	63.2	64.0	64.5	64.7	64.9	65.0	65.0	65.3
≥ 7000		46.0	50.8	55.6	59.9	61.9	64.6	66.1	66.6	67.5	68.0	68.2	68.4	68.5	68.5	68.8
≥ 6000		48.2	53.3	58.2	62.8	64.9	67.7	69.1	69.7	70.6	71.2	71.3	71.5	71.7	71.7	72.0
≥ 5000		51.1	56.4	62.0	66.4	68.6	71.6	73.1	73.7	74.7	75.2	75.4	75.6	75.8	75.8	76.1
≥ 4500		52.8	58.2	63.9	68.5	70.7	73.7	75.4	76.0	76.9	77.5	77.7	77.9	78.0	78.1	78.4
≥ 4000		55.2	61.2	67.1	71.9	74.1	77.3	79.0	79.6	80.6	81.2	81.4	81.6	81.7	81.7	82.1
≥ 3500		57.4	63.5	69.6	74.5	76.8	80.0	81.8	82.4	83.4	84.1	84.3	84.4	84.6	84.6	84.9
≥ 3000		59.6	65.7	72.3	77.4	79.8	83.2	85.0	85.7	86.8	87.4	87.6	87.8	88.0	88.0	88.3
≥ 2500		61.3	67.6	74.3	79.7	82.2	85.7	87.6	88.3	89.4	90.2	90.3	90.5	90.7	90.7	91.0
≥ 2000		62.5	69.2	76.4	82.0	84.6	88.3	90.3	91.0	92.2	92.8	93.1	93.3	93.5	93.5	93.8
≥ 1800		62.7	69.5	76.8	82.5	85.1	88.9	90.9	91.6	92.8	93.5	93.7	93.9	94.1	94.1	94.4
≥ 1500		63.1	70.0	77.4	83.3	86.0	90.0	92.1	92.9	94.1	94.8	95.0	95.2	95.4	95.4	95.8
≥ 1200		63.3	70.2	77.8	83.8	86.6	90.6	92.9	93.7	95.0	95.7	95.9	96.2	96.3	96.4	96.7
≥ 1000		63.3	70.3	78.0	84.1	86.9	91.1	93.4	94.2	95.5	96.3	96.5	96.8	97.0	97.0	97.4
≥ 900		63.3	70.3	78.0	84.1	87.0	91.1	93.4	94.3	95.8	96.6	96.8	97.1	97.1	97.1	97.5
≥ 800		63.4	70.3	78.0	84.1	87.0	91.3	93.6	94.3	95.8	96.6	96.9	97.2	97.4	97.4	97.8
≥ 700		63.4	70.3	78.0	84.2	87.1	91.3	93.7	94.4	95.9	96.7	97.0	97.3	97.6	97.6	98.0
≥ 600		63.4	70.3	78.1	84.2	87.1	91.4	93.8	94.7	96.1	96.9	97.3	97.6	97.8	97.8	98.2
≥ 500		63.4	70.3	78.1	84.2	87.1	91.4	93.8	94.8	96.2	97.1	97.5	97.9	98.1	98.1	98.4
≥ 400		63.4	70.3	78.1	84.2	87.1	91.5	94.0	94.9	96.4	97.3	97.7	98.1	98.3	98.3	98.7
≥ 300		63.4	70.3	78.1	84.2	87.2	91.5	94.0	95.0	96.5	97.4	97.8	98.2	98.5	98.6	99.0
≥ 200		63.4	70.3	78.1	84.2	87.2	91.5	94.0	95.0	96.5	97.4	97.8	98.3	98.6	98.7	99.3
≥ 100		63.4	70.3	78.1	84.2	87.2	91.5	94.0	95.0	96.5	97.4	97.8	98.3	98.6	98.7	99.5
≥ 0		63.4	70.3	78.1	84.2	87.2	91.5	94.0	95.0	96.5	97.4	97.8	98.3	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 17727

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

40-70  
YEAR

501  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
DATA

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING		20.0	23.1	26.3	29.1	30.4	32.5	33.8	34.3	35.3	35.9	36.2	36.5	36.8	36.9	37.5
≥ 20000		22.5	26.0	29.6	32.6	34.1	36.5	38.0	38.6	39.7	40.4	40.7	41.2	41.5	41.6	42.3
IV 18000		22.6	26.1	29.7	32.8	34.3	36.7	38.2	38.8	39.9	40.6	40.9	41.3	41.7	41.8	42.5
IV 16000		22.7	26.2	29.8	32.9	34.3	36.8	38.3	38.9	40.0	40.7	41.0	41.5	41.8	41.9	42.6
IV 14000		22.8	26.4	30.0	33.1	34.6	37.1	38.5	39.2	40.3	41.0	41.4	41.8	42.1	42.2	42.9
IV 12000		23.3	26.9	30.6	33.8	35.3	37.8	39.3	40.0	41.1	41.8	42.1	42.6	42.9	43.0	43.7
IV 10000		24.6	28.4	32.3	35.6	37.3	39.9	41.3	42.3	43.5	44.2	44.6	45.0	45.4	45.5	46.3
IV 9000		25.4	29.2	33.2	36.7	38.4	41.2	42.8	43.6	44.9	45.7	46.0	46.5	46.9	47.1	47.8
IV 8000		27.2	31.3	35.6	39.3	41.1	44.1	45.9	46.7	48.1	49.1	49.5	50.0	50.3	50.6	51.4
IV 7000		28.5	32.8	37.3	41.1	43.1	46.1	48.0	48.9	50.3	51.4	51.8	52.4	52.8	53.0	53.8
IV 6000		30.1	34.8	39.3	43.2	45.2	48.4	50.4	51.3	52.8	53.8	54.3	54.9	55.3	55.5	56.3
IV 5000		32.1	37.0	41.9	46.0	48.1	51.4	53.5	54.5	56.0	57.2	57.7	58.3	58.8	58.9	59.8
IV 4500		33.7	38.7	43.9	48.3	50.5	53.9	56.0	57.0	58.7	59.9	60.4	61.0	61.5	61.7	62.5
IV 4000		35.9	41.3	46.9	51.5	53.8	57.5	59.7	60.7	62.5	63.8	64.3	65.0	65.6	65.7	66.6
IV 3500		37.9	43.7	49.6	54.5	56.9	60.7	63.0	64.0	65.9	67.2	67.7	68.5	69.0	69.2	70.1
IV 3000		40.3	46.6	52.9	58.1	60.5	64.5	67.0	68.0	70.0	71.4	72.0	72.8	73.3	73.5	74.4
IV 2500		42.6	49.3	55.9	61.4	64.1	68.2	70.8	71.9	74.0	75.7	76.2	77.0	77.6	77.8	78.7
IV 2000		44.6	51.7	59.0	64.9	67.7	72.2	75.0	76.2	78.4	80.1	80.7	81.6	82.2	82.4	83.4
IV 1800		44.9	52.1	59.6	65.6	68.6	73.2	76.0	77.2	79.4	81.2	81.8	82.7	83.3	83.5	84.5
IV 1500		45.6	52.8	60.9	67.3	70.4	75.3	78.2	79.3	81.5	83.3	83.9	84.8	85.3	85.5	86.5
IV 1200		45.9	53.5	61.5	68.3	71.6	76.7	79.7	81.1	83.3	85.3	85.9	86.8	87.4	87.6	88.6
IV 1000		46.0	53.7	61.8	68.8	72.2	77.5	80.7	82.1	84.6	86.6	87.4	88.4	89.1	89.4	90.3
IV 900		46.0	53.8	61.9	68.9	72.3	77.7	80.9	82.3	84.9	86.9	87.7	88.7	89.4	89.7	90.6
IV 800		46.0	53.9	62.0	69.0	72.4	77.9	81.2	82.7	85.3	87.4	88.2	89.3	90.0	90.2	91.2
IV 700		46.0	53.8	62.0	69.0	72.5	78.0	81.3	82.9	85.6	87.8	88.6	89.7	90.5	90.7	91.7
IV 600		46.0	53.8	62.0	69.1	72.5	78.1	81.5	83.1	85.9	88.1	89.0	90.2	91.0	91.2	92.2
IV 500		46.0	53.8	62.0	69.1	72.6	78.2	81.7	83.4	86.3	88.7	89.7	91.1	91.9	92.2	93.2
IV 400		46.0	53.8	62.0	69.2	72.6	78.2	81.7	83.5	86.5	89.0	90.1	91.6	92.6	92.8	93.9
IV 300		46.0	53.8	62.0	69.2	72.7	78.3	81.8	83.6	86.6	89.1	90.4	91.9	93.1	93.4	94.6
IV 200		46.0	53.8	62.0	69.2	72.7	78.3	81.8	83.6	86.6	89.2	90.5	92.1	93.6	93.9	95.1
IV 100		46.0	53.8	62.0	69.2	72.7	78.3	81.8	83.6	86.7	89.3	90.5	92.1	93.6	94.1	95.2
IV 0		46.0	53.8	62.0	69.2	72.7	78.3	81.8	83.6	86.7	89.3	90.5	92.2	93.7	94.2	100.0

TOTAL NUMBER OF OBSERVATIONS 18573



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 RIESBADEN AB GERMANY

46-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000		11.3 13.0	12.8 14.8	14.6 16.9	16.2 18.8	16.6 19.5	18.0 20.9	18.6 21.8	18.9 22.2	19.5 23.0	19.9 23.5	20.0 23.6	20.1 23.8	20.3 24.0	20.3 24.0	20.6 24.3
IV 18000 IV 16000		13.1 13.1	15.0 15.0	17.1 17.1	19.0 19.1	19.8 19.9	21.2 21.3	22.1 22.2	22.5 22.6	23.3 23.4	23.8 23.9	24.0 24.1	24.2 24.3	24.3 24.3	24.4 24.5	24.7 24.8
IV 14000 IV 12000		13.3 13.8	15.2 15.7	17.4 17.9	19.4 20.0	20.2 20.3	21.6 22.3	22.6 23.3	23.0 23.7	23.8 24.6	24.3 25.1	24.5 25.3	24.7 25.6	24.9 25.7	24.9 25.8	25.2 26.0
IV 10000 IV 9000		14.6 15.3	16.7 17.4	19.1 20.1	21.3 22.4	22.3 23.5	23.9 25.2	25.0 26.4	25.5 26.9	26.4 27.8	27.0 28.3	27.2 28.7	27.4 28.9	27.6 29.1	27.7 29.2	28.0 29.5
IV 8000 IV 7000		16.5 17.6	18.8 20.1	21.8 23.3	24.4 26.1	25.7 27.5	27.7 29.8	29.1 31.5	29.8 32.0	30.2 33.1	31.3 33.9	31.7 34.1	32.0 34.6	32.2 34.7	32.3 34.7	32.6 35.0
IV 6000 IV 5000		19.2 21.1	21.8 26.0	25.2 27.8	28.3 31.1	29.8 32.8	32.2 35.4	33.9 37.2	34.6 38.0	35.9 39.3	36.7 40.2	37.0 40.5	37.3 40.8	37.6 41.1	37.6 41.2	37.9 41.5
IV 4500 IV 4000		22.6 24.5	25.8 27.9	29.8 32.3	33.4 36.2	35.3 38.2	38.0 41.2	39.9 43.2	40.7 44.0	42.1 45.5	43.0 46.3	43.4 46.9	43.8 47.3	44.1 47.6	44.1 47.7	44.5 48.0
IV 3500 IV 3000		26.4 29.4	30.2 33.5	35.0 39.0	39.2 42.5	41.3 45.8	44.4 49.2	46.6 51.6	47.3 52.5	49.0 54.2	50.2 55.3	50.5 55.9	51.0 56.4	51.3 56.8	51.4 56.8	51.8 57.2
IV 2500 IV 2000		33.0 36.6	37.8 42.4	43.9 49.6	49.1 55.4	51.5 58.3	53.3 60.5	57.9 65.7	58.9 66.9	60.9 70.5	62.2 70.5	62.7 71.0	63.2 71.6	63.6 72.1	63.7 72.1	64.1 72.5
IV 1800 IV 1500		37.3 39.0	43.3 45.6	50.8 53.6	56.9 60.4	59.9 63.9	64.3 68.8	67.4 72.2	68.6 73.9	70.9 76.2	72.5 77.9	73.0 78.5	73.7 79.2	74.2 79.7	74.2 79.7	74.6 80.2
IV 1200 IV 1000		39.6 40.0	46.5 47.1	55.1 56.0	62.4 63.7	66.1 67.7	71.9 73.5	73.1 77.4	75.7 79.1	79.3 82.3	81.4 84.6	82.0 85.0	82.8 86.0	83.4 86.6	83.5 86.7	83.9 87.1
IV 900 IV 800		40.1 40.2	47.2 47.4	56.2 56.4	64.0 64.4	68.0 68.6	73.9 74.7	78.0 78.9	79.7 80.7	82.9 84.1	85.2 86.3	85.9 87.2	86.8 88.1	87.5 88.9	87.5 88.9	88.0 89.4
IV 700 IV 600		40.2 40.2	47.4 47.4	56.5 56.5	64.6 64.7	68.8 68.9	73.1 73.3	79.4 79.7	81.2 81.7	84.7 85.3	87.2 87.9	88.0 88.8	89.0 89.9	89.8 90.7	89.9 90.8	90.4 91.3
IV 500 IV 400		40.2 40.2	47.5 47.5	56.5 56.6	64.7 64.8	69.1 69.1	73.5 73.5	80.0 80.2	82.2 82.6	86.0 86.3	88.8 89.6	89.9 90.5	91.1 92.0	92.1 93.2	92.2 93.3	92.5 93.9
IV 300 IV 200		40.2 40.2	47.5 47.5	56.6 56.6	64.8 64.8	69.1 69.1	73.6 73.6	80.3 80.3	82.6 82.6	86.6 86.7	89.9 90.0	91.2 91.4	92.9 93.2	94.4 95.1	94.7 95.3	95.6 97.0
IV 100 IV 0		40.2 40.2	47.5 47.5	56.6 56.6	64.8 64.8	69.1 69.1	73.6 73.6	80.3 80.3	82.6 82.6	86.7 86.7	90.0 90.1	91.4 91.5	93.2 93.3	95.2 95.4	95.7 95.9	97.8 100.0

TOTAL NUMBER OF OBSERVATIONS 17967



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

3501C WIESBADEN AB GERMANY

46-70

SEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

444

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING		10.5	12.2	13.7	15.2	15.8	17.0	17.7	17.9	18.6	18.9	19.0	19.1	19.1	19.2	19.3
≥ 20000		11.5	13.5	15.2	16.8	17.5	18.8	19.6	20.0	20.7	21.1	21.2	21.3	21.4	21.4	21.6
≥ 18000		11.6	13.5	15.3	16.9	17.6	18.9	19.7	20.0	20.8	21.2	21.3	21.4	21.5	21.5	21.7
IV 16000		11.6	13.5	15.3	16.9	17.6	18.9	19.7	20.1	20.8	21.2	21.3	21.4	21.5	21.5	21.7
IV 14000		11.6	13.6	15.5	17.1	17.8	19.1	20.0	20.3	21.0	21.4	21.5	21.7	21.7	21.8	22.0
IV 12000		11.9	14.0	15.9	17.6	18.4	19.7	20.6	20.9	21.6	22.0	22.2	22.3	22.4	22.4	22.6
IV 10000		12.6	14.7	16.7	18.5	19.4	20.9	21.8	22.2	23.0	23.4	23.6	23.7	23.8	23.8	24.0
IV 9000		12.9	15.2	17.2	19.1	20.1	21.7	22.6	23.0	23.8	24.3	24.5	24.6	24.7	24.7	24.9
IV 8000		13.7	16.0	18.3	20.3	21.4	23.1	24.1	24.6	25.3	25.9	26.1	26.3	26.4	26.4	26.6
IV 7000		14.5	17.0	19.4	21.6	22.7	24.6	25.7	26.2	27.1	27.7	27.9	28.0	28.1	28.2	28.4
IV 6000		15.3	17.9	20.4	22.8	23.9	25.9	27.0	27.5	28.5	29.1	29.4	29.5	29.7	29.7	29.9
IV 5000		16.7	19.6	22.3	24.9	26.1	28.2	29.4	30.0	31.0	31.7	31.9	32.1	32.2	32.3	32.5
IV 4500		17.9	21.0	24.0	26.7	27.9	30.1	31.4	32.0	33.0	33.7	34.0	34.2	34.3	34.4	34.6
IV 4000		19.3	22.6	25.9	28.8	30.1	32.4	33.7	34.4	35.6	36.4	36.6	36.8	37.0	37.0	37.3
IV 3500		21.1	24.5	28.1	31.3	32.7	35.1	36.6	37.3	38.5	39.3	39.6	39.8	40.0	40.1	40.3
IV 3000		24.0	28.0	32.1	35.5	37.2	39.8	41.5	42.2	43.6	44.5	44.8	45.1	45.3	45.3	45.6
IV 2500		26.0	32.0	37.4	41.4	43.3	46.3	48.2	49.1	50.6	51.6	52.0	52.3	52.5	52.6	52.9
IV 2000		31.9	37.5	43.4	48.4	50.6	54.5	56.9	57.9	59.8	61.0	61.5	61.8	62.2	62.3	62.5
IV 1800		32.8	38.8	45.0	50.3	52.9	56.9	59.4	60.3	62.3	63.8	64.3	64.7	65.0	65.1	65.4
IV 1500		34.6	41.5	48.6	54.7	57.7	62.3	65.4	66.5	69.0	70.6	71.2	71.7	72.1	72.2	72.4
IV 1200		35.2	42.6	50.4	57.3	60.7	65.8	69.2	70.9	73.2	75.1	75.8	76.5	76.9	77.0	77.3
IV 1000		35.5	43.1	51.4	59.1	62.9	68.3	72.3	73.8	77.0	79.2	80.0	80.7	81.3	81.4	81.7
IV 900		35.6	42.2	51.7	59.6	63.6	69.3	73.4	74.9	78.2	80.5	81.3	82.1	82.7	82.8	83.1
IV 800		35.6	43.4	52.0	60.1	64.2	70.4	74.7	76.4	79.8	82.3	83.6	84.3	84.8	85.2	85.3
IV 700		35.6	43.4	52.1	60.4	64.6	70.9	75.4	77.2	81.0	83.0	84.7	85.7	86.4	86.5	86.8
IV 600		35.6	43.4	52.2	60.6	64.8	71.3	76.0	77.9	81.9	84.9	85.9	87.1	87.9	87.9	88.3
IV 500		35.6	43.4	52.3	60.7	65.0	71.5	76.7	78.7	83.1	86.3	87.5	89.0	89.8	90.0	90.5
IV 400		35.6	43.4	52.3	60.8	65.1	71.8	77.0	79.1	83.7	87.2	88.5	90.2	91.3	91.5	92.0
IV 300		35.6	43.4	52.3	60.8	65.1	71.8	77.1	79.2	84.0	87.6	89.1	91.1	92.6	92.9	93.6
IV 200		35.6	43.4	52.3	60.8	65.1	71.8	77.1	79.2	84.0	87.6	89.3	91.4	93.6	94.1	94.7
IV 100		35.6	43.4	52.3	60.8	65.1	71.8	77.1	79.2	84.0	87.6	89.4	91.6	93.9	94.4	95.4
IV 0		35.6	43.4	52.3	60.8	65.1	71.8	77.1	79.2	84.0	87.6	89.4	91.6	93.9	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 18597

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

33010 WIESBADEN AB GERMANY

47-70

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING ≥ 20000		17.4	19.1	21.2	23.1	24.4	25.6	26.2	26.7	27.5	27.9	28.0	28.1	28.1	28.2	28.3
≥ 18000		18.0	19.3	22.0	23.9	25.3	26.7	27.5	28.2	29.0	29.4	29.5	29.6	29.6	29.7	29.8
≥ 16000		18.0	19.8	22.0	23.9	25.3	26.7	27.5	28.2	29.0	29.4	29.5	29.6	29.6	29.7	29.9
≥ 14000		18.0	19.8	22.0	24.0	25.4	26.8	27.6	28.3	29.1	29.5	29.6	29.7	29.7	29.8	29.9
≥ 12000		18.6	20.4	22.6	24.9	26.3	27.8	28.6	29.3	30.1	30.5	30.6	30.6	30.8	30.9	31.0
≥ 10000		19.2	21.1	23.3	26.0	27.4	28.9	29.5	30.6	31.3	31.9	32.1	32.2	32.2	32.3	32.5
≥ 9000		19.7	21.7	24.4	26.8	28.3	29.9	30.9	31.7	32.6	33.0	33.2	33.4	33.4	33.5	33.6
≥ 8000		20.9	23.0	26.2	28.7	30.3	32.1	33.1	33.8	34.9	35.3	35.6	35.7	35.7	35.8	35.9
≥ 7000		22.0	24.1	27.6	30.6	32.2	34.2	35.4	36.2	37.3	37.7	37.9	38.1	38.1	38.2	38.3
≥ 6000		23.2	25.3	29.2	32.4	33.9	36.1	37.2	38.1	39.1	39.5	39.7	40.0	40.0	40.1	40.2
≥ 5000		24.4	26.9	30.8	34.0	35.7	38.0	39.3	40.2	41.3	41.9	42.1	42.3	42.4	42.5	42.6
≥ 4500		25.9	28.5	32.6	36.0	37.8	40.2	41.6	42.6	43.9	44.8	44.8	44.8	44.9	45.0	45.1
≥ 4000		27.1	30.3	34.6	38.3	40.3	42.8	44.2	45.4	46.6	47.1	47.4	47.7	47.7	47.8	47.9
≥ 3500		29.7	32.8	37.4	41.3	43.4	45.9	47.6	48.8	50.1	50.5	50.8	51.1	51.2	51.3	51.4
≥ 3000		33.3	37.2	42.0	46.0	48.1	50.3	53.3	55.6	56.8	56.8	56.9	57.2	57.2	57.3	57.4
≥ 2500		36.7	40.8	46.2	50.9	53.2	56.7	59.0	60.3	61.7	62.2	62.6	63.0	63.0	63.1	63.2
≥ 2000		40.2	44.8	51.4	56.8	59.3	63.1	65.7	67.2	68.7	69.3	69.7	70.1	70.1	70.2	70.4
≥ 1800		41.5	46.3	53.4	59.0	61.7	65.6	68.3	69.8	71.4	72.1	72.4	72.9	72.9	73.0	73.1
≥ 1600		43.2	48.0	56.6	62.0	65.9	70.0	73.2	74.8	76.6	77.5	77.5	78.6	78.6	78.7	78.7
≥ 1400		43.7	49.6	57.6	64.3	67.9	72.5	75.8	77.5	79.6	80.6	81.0	81.5	81.5	81.9	82.1
≥ 1200		44.2	50.3	58.8	65.9	69.7	74.7	78.1	80.1	82.6	83.8	84.3	84.8	85.2	85.2	85.4
≥ 1000		44.3	50.4	59.0	66.2	70.0	75.1	78.4	81.0	83.6	84.9	85.3	85.8	86.0	86.4	86.6
≥ 900		44.3	50.7	59.3	66.7	70.6	75.8	79.6	81.8	84.5	85.8	86.4	87.0	87.2	87.4	87.6
≥ 800		44.3	50.8	59.4	67.0	70.9	76.1	80.1	82.3	85.4	86.8	87.4	88.1	88.3	88.6	88.8
≥ 700		44.3	50.8	59.4	67.1	71.1	76.3	80.6	83.1	86.0	87.6	88.2	89.0	89.2	89.5	89.7
≥ 600		44.3	50.8	59.4	67.2	71.2	76.4	80.9	83.5	86.7	88.3	89.0	90.2	90.4	91.1	91.3
≥ 500		44.3	50.8	59.4	67.2	71.2	76.4	81.2	84.0	87.3	89.3	90.2	91.5	92.3	92.5	92.8
≥ 400		44.3	50.8	59.4	67.2	71.2	76.4	81.2	84.0	87.3	89.3	90.2	91.5	92.3	92.5	92.8
≥ 300		44.3	50.8	59.4	67.2	71.2	76.4	81.2	84.0	87.3	89.3	90.2	91.5	92.3	92.5	92.8
≥ 200		44.3	50.8	59.4	67.2	71.2	76.4	81.2	84.0	87.3	89.3	90.2	91.5	92.3	92.5	92.8
≥ 100		44.3	50.8	59.4	67.2	71.2	76.4	81.2	84.0	87.3	89.3	90.2	91.5	92.3	92.5	92.8
≥ 0		44.3	50.8	59.4	67.2	71.2	76.4	81.2	84.0	87.3	89.3	90.2	91.5	92.3	92.5	92.8

TOTAL NUMBER OF OBSERVATIONS 2230

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

47-70

YEARS

MONTH

PERCE. AGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING		16.4	17.9	19.3	20.7	21.9	23.3	23.7	24.2	24.8	25.1	25.1	25.3	25.3	25.4	25.5
≥ 20000		17.3	18.8	20.3	21.8	23.0	24.5	25.1	25.7	26.4	26.7	26.7	26.8	26.9	27.0	27.1
≥ 18000		17.3	18.8	20.3	21.8	23.0	24.5	25.1	25.7	26.4	26.7	26.7	26.9	26.9	27.0	27.1
≥ 16000		17.3	18.8	20.3	21.8	23.0	24.5	25.1	25.7	26.4	26.7	26.7	26.9	26.9	27.0	27.1
≥ 14000		17.3	18.8	20.3	21.8	23.0	24.5	25.1	25.7	26.4	26.7	26.7	26.9	26.9	27.0	27.1
≥ 12000		17.8	19.3	20.9	22.5	23.9	25.5	26.1	26.7	27.4	27.7	27.7	27.8	27.9	28.0	28.0
≥ 10000		18.3	20.0	21.6	23.5	24.8	26.6	27.2	27.9	28.8	29.2	29.2	29.3	29.4	29.5	29.6
≥ 9000		18.8	20.6	22.4	24.3	25.7	27.5	28.2	28.9	29.8	30.2	30.2	30.4	30.4	30.6	30.7
≥ 8000		19.8	21.9	23.7	25.7	27.2	29.2	30.0	30.8	31.7	32.1	32.2	32.3	32.4	32.6	32.7
≥ 7000		20.6	22.9	25.0	27.2	28.7	30.7	31.6	32.4	33.3	33.7	33.8	33.9	34.1	34.2	34.3
≥ 6000		21.6	24.1	26.3	28.6	30.2	32.3	33.3	34.1	34.9	35.4	35.4	35.7	35.8	35.9	36.1
≥ 5000		23.1	25.7	28.1	30.5	32.1	34.3	35.3	36.1	37.0	37.5	37.5	37.7	37.9	38.0	38.2
≥ 4500		24.7	27.6	30.0	32.6	34.2	36.6	37.8	38.8	39.8	40.3	40.4	40.6	40.8	40.9	41.1
≥ 4000		25.8	28.8	31.7	34.6	36.4	38.9	40.2	41.3	42.3	42.9	42.9	43.2	43.4	43.5	43.7
≥ 3000		28.4	31.7	35.0	38.1	40.0	42.7	44.3	45.3	46.3	47.4	47.4	47.7	47.9	48.1	48.3
≥ 2500		31.8	35.4	39.5	42.7	44.8	47.5	49.3	50.6	51.9	52.6	52.6	52.9	53.1	53.3	53.4
≥ 2000		35.2	39.6	44.1	48.0	50.4	53.2	55.3	56.8	58.2	58.9	58.9	59.2	59.4	59.6	59.8
≥ 1800		39.0	44.0	49.8	54.3	56.9	60.2	62.3	64.1	65.7	66.4	66.3	66.8	67.1	67.3	67.5
≥ 1600		40.1	45.6	51.9	56.8	59.7	63.2	65.6	67.2	68.9	69.6	69.7	70.1	70.4	70.6	70.8
≥ 1500		42.4	48.4	55.4	61.0	64.5	68.4	71.0	72.8	74.9	75.7	75.7	76.0	76.3	76.6	77.0
≥ 1200		42.9	49.1	56.9	62.9	66.6	71.0	73.9	76.0	78.3	79.4	79.7	80.2	80.6	80.7	81.0
≥ 1000		43.2	49.7	57.8	64.6	68.2	72.9	76.0	78.4	81.1	82.2	82.3	82.8	83.2	83.9	84.1
≥ 800		43.3	50.0	58.2	65.1	69.0	73.8	77.2	79.6	82.3	83.3	83.3	83.9	84.6	85.1	85.5
≥ 700		43.4	50.3	58.5	65.5	69.4	74.3	77.7	80.3	83.2	84.3	84.3	84.9	85.6	86.4	86.8
≥ 600		43.4	50.3	58.5	65.5	69.4	74.3	77.7	80.3	83.2	84.3	84.3	84.9	85.6	86.4	86.8
≥ 500		43.5	50.4	58.8	66.3	70.3	75.3	79.0	82.0	85.2	86.4	86.4	87.2	88.0	89.3	90.8
≥ 400		43.5	50.4	58.8	66.3	70.3	75.3	79.0	82.0	85.2	86.4	86.4	87.2	88.0	89.3	90.8
≥ 300		43.5	50.4	58.8	66.3	70.3	75.3	79.0	82.0	85.2	86.4	86.4	87.2	88.0	89.3	90.8
≥ 200		43.5	50.4	58.8	66.3	70.3	75.3	79.0	82.0	85.2	86.4	86.4	87.2	88.0	89.3	90.8
≥ 100		43.5	50.4	58.8	66.3	70.3	75.3	79.0	82.0	85.2	86.4	86.4	87.2	88.0	89.3	90.8
≥ 0		43.5	50.4	58.8	66.3	70.3	75.3	79.0	82.0	85.2	86.4	86.4	87.2	88.0	89.3	90.8

TOTAL NUMBER OF OBSERVATIONS 2232

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

47-70

YEARS

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (U.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥3/16	≥¼	≥0	
NO CEILING		11.9	14.0	16.1	17.9	18.5	19.6	20.2	20.3	20.3	21.1	21.3	21.6	21.6	21.6	
≥ 20000		12.5	14.6	16.7	18.6	19.3	20.5	21.1	21.2	21.8	22.1	22.3	22.5	22.6	22.6	
IV 18000		12.5	14.6	16.7	18.6	19.3	20.5	21.1	21.3	21.8	22.1	22.3	22.6	22.7	22.7	
IV 16000		12.5	14.6	16.7	18.6	19.3	20.5	21.1	21.3	21.8	22.1	22.3	22.6	22.7	22.7	
IV 14000		12.5	14.7	16.8	18.7	19.4	20.7	21.3	21.5	22.1	22.4	22.6	22.8	22.9	22.9	
IV 12000		13.0	15.1	17.3	19.3	20.2	21.5	22.1	22.4	23.0	23.3	23.5	23.7	23.8	23.8	
IV 10000		13.3	15.3	17.9	20.1	21.1	22.5	23.2	23.4	24.1	24.5	24.6	25.0	25.1	25.1	
IV 9000		13.8	16.4	18.9	21.1	22.2	23.8	24.5	24.7	25.4	25.7	25.9	26.2	26.5	26.5	
IV 8000		15.4	18.3	21.0	23.4	24.6	26.4	27.2	27.3	28.3	28.6	28.8	29.2	29.3	29.3	
IV 7000		16.2	19.4	22.1	24.8	25.9	27.9	28.7	29.0	29.8	30.2	30.3	30.7	30.9	30.9	
IV 6000		17.2	20.6	23.7	26.3	27.8	29.7	30.6	31.0	31.8	32.1	32.3	32.7	32.8	32.8	
IV 5000		18.6	22.2	25.4	28.4	29.7	31.8	32.8	33.2	34.0	34.4	34.5	34.9	35.2	35.2	
IV 4500		19.5	23.3	26.7	29.9	31.4	33.6	34.7	35.1	36.0	36.4	36.6	37.0	37.2	37.2	
IV 4000		20.7	24.7	28.3	31.9	33.4	35.8	37.0	37.5	38.4	38.9	39.2	39.6	39.9	39.9	
IV 3500		23.3	27.4	31.4	35.0	36.9	39.3	40.6	41.1	42.1	42.6	42.9	43.3	43.8	43.8	
IV 3000		26.4	30.9	35.1	39.1	41.2	44.2	45.4	46.1	47.1	47.7	48.0	48.4	48.7	48.7	
IV 2500		30.1	35.6	40.6	45.3	47.6	51.1	52.5	53.2	54.3	55.2	55.4	55.9	56.2	56.3	
IV 2000		34.2	40.5	46.9	52.2	53.2	59.1	60.9	61.7	63.4	64.1	64.6	65.1	65.4	65.5	
IV 1800		37.3	41.9	48.6	54.3	57.3	61.9	63.7	64.6	66.4	67.2	67.6	68.1	68.5	68.5	
IV 1500		37.2	44.6	51.9	58.4	61.6	67.0	69.1	70.2	72.4	73.3	73.8	74.4	74.8	75.0	
IV 1200		37.8	48.6	53.5	60.4	64.2	70.2	72.5	73.7	76.2	77.4	77.9	78.5	78.9	79.1	
IV 1000		37.9	48.9	54.2	61.8	65.5	72.0	74.5	75.9	78.8	80.2	80.8	81.7	82.3	82.5	
IV 900		38.0	46.0	54.4	61.8	65.9	72.5	75.0	76.5	79.5	80.9	81.5	82.4	83.1	83.2	
IV 800		38.1	46.2	54.8	62.2	66.4	73.3	76.1	77.7	81.0	82.8	83.5	84.5	85.2	85.3	
IV 700		38.2	46.3	54.9	62.4	66.5	73.4	76.3	78.0	81.4	83.4	84.1	85.2	85.9	86.0	
IV 600		38.2	46.4	54.9	62.5	66.8	73.7	76.7	78.7	82.4	84.5	85.3	86.6	87.4	87.5	
IV 500		38.2	46.5	55.1	62.7	66.9	73.9	76.9	78.9	82.5	84.1	85.0	87.0	88.6	88.8	
IV 400		38.2	46.5	55.1	62.7	66.9	74.0	77.4	79.5	83.6	85.3	86.3	89.2	90.5	90.7	
IV 300		38.2	46.5	55.1	62.7	66.9	74.1	77.6	79.9	84.2	87.4	88.4	90.5	92.0	92.2	
IV 200		38.2	46.5	55.1	62.7	66.9	74.1	77.6	79.9	84.3	87.6	88.7	91.3	93.2	93.6	
IV 100		38.2	46.5	55.1	62.7	66.9	74.1	77.6	79.9	84.3	87.6	88.8	91.4	93.6	94.0	
IV 0		38.2	46.5	55.1	62.7	66.9	74.1	77.6	79.9	84.3	87.7	88.8	91.5	93.8	94.2	

TOTAL NUMBER OF OBSERVATIONS 2232

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

47-70

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
FOUR 151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		9.2	10.5	12.5	13.9	14.7	15.5	16.0	16.5	17.2	17.6	17.8	18.0	18.2	18.3	18.8
≥ 20000		10.0	11.4	13.9	15.6	16.6	17.6	18.3	18.8	19.8	20.1	20.3	20.7	21.0	21.0	21.5
IV 18000		10.0	11.4	13.9	15.7	16.7	17.7	18.3	19.0	19.9	20.3	20.6	20.9	21.2	21.2	21.7
IV 16000		10.0	11.3	14.0	15.7	16.7	17.8	18.6	19.1	19.9	20.4	20.7	21.0	21.3	21.3	21.8
IV 14000		10.2	11.7	14.3	16.0	17.0	18.1	18.9	19.4	20.3	20.7	21.0	21.3	21.6	21.7	22.2
IV 12000		10.4	11.9	15.0	16.8	17.8	18.9	19.7	20.3	21.2	21.6	21.9	22.2	22.5	22.6	23.1
IV 10000		10.8	12.3	15.7	17.7	18.8	20.2	21.0	21.6	22.5	23.1	23.5	24.0	24.4	24.4	24.9
IV 9000		11.1	12.9	16.3	18.4	19.5	21.0	21.9	22.5	23.6	24.2	24.7	25.2	25.6	25.6	26.1
IV 8000		12.4	14.3	17.9	20.2	21.7	23.4	24.3	25.2	26.4	27.0	27.3	28.1	28.5	28.5	29.0
IV 7000		13.0	15.0	18.7	21.1	22.8	24.6	25.7	26.6	27.8	28.5	29.0	29.9	29.9	29.9	30.4
IV 6000		14.3	16.3	20.4	22.9	24.8	26.6	28.0	29.0	30.2	30.8	31.3	32.0	32.3	32.4	32.9
IV 5000		15.5	17.9	21.8	24.6	26.4	28.4	29.8	30.9	32.2	32.9	33.4	34.1	34.5	34.6	35.1
IV 4500		16.0	18.3	22.6	25.5	27.3	29.3	30.9	32.0	33.3	34.1	34.6	35.2	35.6	35.7	36.2
IV 4000		17.3	20.1	24.5	27.5	29.5	31.9	33.4	34.5	36.0	36.9	37.5	38.3	38.8	38.9	39.4
IV 3500		19.3	22.1	26.7	30.1	32.2	34.6	36.3	37.4	39.0	40.0	40.7	41.3	42.1	42.2	42.7
IV 3000		21.2	24.7	29.8	33.8	36.0	38.7	40.6	41.7	43.3	44.6	45.4	46.2	46.9	47.0	47.5
IV 2500		24.4	28.3	34.8	39.4	41.8	44.8	47.0	48.1	50.2	51.4	52.2	53.1	53.8	53.9	54.4
IV 2000		27.8	33.0	40.3	46.0	49.1	52.8	55.7	57.1	59.4	61.0	62.0	63.2	64.0	64.1	64.6
IV 1800		28.7	34.0	41.7	47.9	51.4	55.5	58.6	60.2	62.3	64.3	65.3	66.6	67.4	67.5	68.0
IV 1500		29.8	35.6	44.2	51.0	54.9	59.3	62.4	65.0	68.0	70.0	71.2	72.7	73.7	73.8	74.3
IV 1200		30.2	36.4	45.5	52.8	57.1	62.4	66.8	69.7	71.9	74.3	75.3	77.3	78.3	78.5	79.0
IV 1000		30.4	36.7	46.2	53.5	58.3	64.3	68.8	71.0	74.3	77.1	78.4	80.9	81.6	81.8	82.3
IV 900		30.9	36.8	46.4	54.1	58.7	64.9	69.6	71.9	75.3	78.4	79.9	82.9	83.1	83.3	83.9
IV 800		30.4	36.8	46.4	54.2	58.9	65.4	70.3	72.8	76.6	80.1	81.7	83.9	85.1	85.3	85.8
IV 700		30.5	36.8	46.5	54.3	59.0	66.0	70.9	73.6	77.5	81.2	82.9	85.3	86.6	86.8	87.4
IV 600		30.5	36.8	46.5	54.4	59.0	66.1	71.1	73.9	78.0	82.0	84.0	86.6	87.9	88.1	88.7
IV 500		30.5	36.8	46.5	54.4	59.0	66.2	71.3	74.2	78.4	82.9	85.2	88.3	90.1	90.3	91.0
IV 400		30.5	36.8	46.5	54.4	59.0	66.2	71.3	74.3	78.6	83.3	85.7	89.2	91.5	91.7	92.5
IV 300		30.5	36.8	46.5	54.4	59.0	66.2	71.3	74.3	78.7	83.5	86.1	89.7	92.6	93.0	94.2
IV 200		30.5	36.8	46.5	54.4	59.0	66.2	71.3	74.3	78.7	83.7	86.3	90.1	93.7	94.2	96.6
IV 100		30.5	36.8	46.5	54.4	59.0	66.2	71.3	74.3	78.7	83.7	86.3	90.2	93.9	94.6	98.3
IV 0		30.5	36.8	46.5	54.4	59.0	66.2	71.3	74.3	78.7	83.7	86.3	90.2	93.9	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2231

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

47-70  
EARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING IV 20000		9.6	11.1	13.1	14.4	15.4	16.4	17.0	17.5	18.2	18.6	19.0	19.3	19.4	19.4	19.6
IV 18000		11.1	12.9	15.4	17.6	18.8	20.1	20.9	21.8	22.5	23.1	23.6	23.9	24.1	24.1	24.3
IV 16000		11.2	12.9	15.5	17.7	19.0	20.3	21.2	22.0	22.8	23.3	23.9	24.1	24.3	24.3	24.6
IV 14000		11.2	12.9	15.5	17.7	19.0	20.3	21.2	22.1	22.8	23.4	23.9	24.2	24.4	24.4	24.6
IV 12000		11.3	13.1	15.7	18.0	19.4	20.7	21.6	22.3	23.3	23.8	24.3	24.6	24.8	24.8	25.0
IV 10000		11.6	13.6	16.3	18.7	20.2	21.6	22.6	23.3	24.3	25.0	25.5	25.8	26.0	26.0	26.3
IV 9000		12.3	14.2	17.1	19.7	21.3	22.9	24.1	25.0	25.8	26.5	27.1	27.4	27.7	27.7	28.0
IV 8000		12.8	14.7	17.8	20.6	22.2	23.9	25.0	26.0	26.8	27.6	28.1	28.4	28.7	28.7	29.0
IV 7000		13.6	15.8	19.1	22.1	24.1	25.9	27.2	28.2	29.1	29.9	30.6	31.0	31.3	31.3	31.6
IV 6000		14.7	15.9	20.5	23.5	25.7	28.0	29.3	30.4	31.3	32.2	32.9	33.5	33.9	33.9	34.2
IV 5000		15.5	17.7	21.4	24.5	26.8	29.0	30.4	31.5	32.4	33.3	34.1	34.6	35.0	35.0	35.3
IV 4500		16.6	19.0	22.9	26.2	28.7	31.0	32.5	33.6	34.5	35.5	36.2	36.8	37.3	37.3	37.6
IV 4000		17.3	19.8	23.8	27.3	30.0	32.4	34.2	35.3	36.3	37.3	38.1	38.7	39.2	39.2	39.5
IV 3500		18.4	21.1	25.3	29.0	31.8	34.5	36.3	37.5	38.6	39.7	40.5	41.1	41.6	41.6	41.9
IV 3000		20.4	23.1	27.7	31.5	34.5	37.2	39.2	40.4	41.5	42.7	43.6	44.2	44.7	44.7	45.0
IV 2500		22.9	26.0	31.0	35.4	38.4	41.7	43.8	45.1	46.3	47.7	48.7	49.3	49.8	49.8	50.1
IV 2000		27.2	30.8	36.6	41.6	44.9	48.7	51.0	52.4	53.7	55.1	56.0	56.7	57.3	57.3	57.6
IV 1800		31.3	36.2	42.2	49.8	53.7	58.1	60.8	62.3	64.0	65.3	66.5	67.3	68.0	68.0	68.3
IV 1500		32.0	37.1	44.4	51.3	55.5	60.1	62.9	64.8	66.4	68.0	69.0	69.8	70.5	70.5	70.8
IV 1200		32.6	39.0	47.4	54.9	59.7	63.1	68.3	70.3	72.4	74.2	75.3	76.3	77.0	77.0	77.4
IV 1000		34.1	40.0	48.7	57.2	62.5	66.5	72.4	74.8	77.0	79.3	80.6	81.6	82.4	82.4	82.8
IV 900		34.3	40.3	49.2	57.8	63.9	70.2	74.3	76.8	79.3	82.0	83.5	84.8	85.7	85.7	86.2
IV 800		34.4	40.4	49.3	58.0	64.8	70.7	75.0	77.6	80.2	82.9	84.6	86.0	86.9	86.9	87.5
IV 700		34.4	40.4	49.3	58.1	64.9	70.9	75.4	78.0	80.8	83.6	85.4	87.0	88.2	88.2	88.8
IV 600		34.4	40.4	49.3	58.1	64.9	71.1	75.6	78.4	81.3	84.4	86.4	88.0	89.2	89.2	89.8
IV 500		34.4	40.4	49.3	58.2	64.9	71.2	75.9	78.7	82.0	85.1	87.1	89.1	90.5	90.5	91.2
IV 400		34.4	40.4	49.3	58.2	64.9	71.4	76.1	79.0	82.3	85.5	88.4	91.2	92.9	93.0	93.7
IV 300		34.4	40.4	49.3	58.2	64.9	71.4	76.1	79.1	83.0	86.8	89.9	93.1	95.5	95.7	96.7
IV 200		34.4	40.4	49.3	58.2	64.9	71.4	76.1	79.1	83.0	86.9	89.9	93.3	96.1	96.2	98.0
IV 100		34.4	40.4	49.3	58.2	64.9	71.4	76.1	79.1	83.0	86.9	89.9	93.3	96.1	96.2	98.3
IV 0		34.4	40.4	49.3	58.2	64.9	71.4	76.1	79.1	83.0	86.9	89.9	93.3	96.1	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 2232

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

47-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1 1/8	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING ≥ 20000		11.6	13.2	14.8	15.9	16.4	17.0	17.6	18.1	18.7	19.1	19.2	19.4	19.6	19.6	19.7
IV 18000		13.2	15.0	16.9	18.4	19.4	20.4	21.3	22.0	22.8	23.2	23.4	23.8	24.2	24.2	24.3
IV 16000		13.2	15.1	17.0	18.6	19.5	20.7	21.6	22.3	23.1	23.5	23.7	24.1	24.5	24.5	24.6
IV 14000		13.2	15.3	17.0	18.7	19.6	20.8	21.8	22.5	23.3	23.7	23.9	24.3	24.7	24.7	24.8
IV 12000		13.4	15.3	17.0	19.1	20.1	21.3	22.3	23.1	23.8	24.3	24.5	24.9	25.3	25.3	25.4
IV 10000		14.0	15.9	18.1	20.1	21.1	22.4	23.3	24.1	24.9	25.4	25.5	26.0	26.3	26.3	26.5
IV 9000		14.6	16.7	19.2	21.4	22.4	23.9	24.9	25.7	26.6	27.0	27.2	27.7	28.1	28.1	28.3
IV 8000		14.9	17.1	19.8	22.1	23.2	24.8	25.9	26.8	27.7	28.1	28.4	28.9	29.2	29.2	29.4
IV 7000		15.8	18.2	21.2	23.8	25.0	26.7	27.9	28.9	29.9	30.4	30.6	31.1	31.5	31.5	31.7
IV 6000		16.8	19.4	22.6	25.2	26.6	28.4	29.6	30.7	31.9	32.4	32.6	33.2	33.6	33.6	33.8
IV 5000		18.0	20.6	23.9	26.8	28.1	30.0	31.4	32.5	33.6	34.2	34.5	35.1	35.6	35.6	35.8
IV 4500		19.2	22.2	25.7	28.9	30.3	32.3	34.0	35.2	36.5	37.0	37.2	37.9	38.4	38.4	38.5
IV 4000		20.3	23.5	27.3	30.7	32.4	34.6	36.3	37.5	38.7	39.4	39.7	40.8	40.9	40.9	41.1
IV 3500		22.2	25.5	29.5	33.0	34.7	37.2	39.1	40.3	41.6	42.3	42.7	43.4	43.9	43.9	44.1
IV 3000		24.6	28.2	32.8	36.2	38.0	40.8	42.5	43.7	45.1	45.9	46.2	47.1	47.6	47.6	47.8
IV 2500		26.7	30.8	35.7	39.8	41.8	44.7	46.8	48.1	49.6	50.7	51.1	52.0	52.6	52.6	52.8
IV 2000		31.3	36.2	41.4	46.1	48.3	51.5	53.9	55.3	56.9	58.0	58.5	59.3	60.2	60.2	60.4
IV 1800		35.4	41.1	47.5	52.9	55.6	59.5	62.1	63.8	65.7	67.0	67.4	68.3	69.2	69.2	69.4
IV 1500		36.1	42.1	49.0	54.7	57.7	62.0	64.9	66.7	68.8	70.2	70.7	71.7	72.5	72.5	72.7
IV 1200		37.8	44.2	51.7	58.6	62.2	67.3	70.7	72.7	75.3	76.9	77.4	78.3	79.4	79.4	79.7
IV 1000		38.3	45.0	52.9	60.3	64.2	70.3	74.1	76.6	79.3	81.3	82.3	83.6	84.5	84.5	84.8
IV 900		38.4	45.3	53.5	61.1	65.1	71.5	76.1	78.9	82.3	84.3	85.4	86.8	87.8	87.8	88.0
IV 800		38.4	45.4	53.6	61.2	65.2	72.0	76.7	80.0	83.2	85.4	86.4	87.9	88.8	88.8	89.1
IV 700		38.4	45.4	53.6	61.2	65.2	72.1	77.0	80.2	83.9	86.4	87.3	89.2	90.4	90.4	90.6
IV 600		38.4	45.4	53.6	61.3	65.3	72.4	77.5	80.9	84.7	87.4	88.6	90.4	91.8	91.8	92.0
IV 500		38.4	45.4	53.6	61.3	65.3	72.5	77.9	81.3	85.6	88.3	89.2	91.0	92.7	92.7	92.7
IV 400		38.4	45.4	53.6	61.3	65.3	72.5	77.9	81.3	85.6	88.3	89.2	91.0	92.7	92.7	92.7
IV 300		38.4	45.4	53.6	61.3	65.3	72.5	77.9	81.3	85.6	88.3	89.2	91.0	92.7	92.7	92.7
IV 200		38.4	45.4	53.6	61.3	65.3	72.5	77.9	81.3	85.6	88.3	89.2	91.0	92.7	92.7	92.7
IV 100		38.4	45.4	53.6	61.3	65.3	72.5	77.9	81.3	85.6	88.3	89.2	91.0	92.7	92.7	92.7
IV 0		38.4	45.4	53.6	61.3	65.3	72.5	77.9	81.3	85.6	88.3	89.2	91.0	92.7	92.7	92.7

TOTAL NUMBER OF OBSERVATIONS 2232



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

47-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0.5
NO CEILING		13.9	16.0	18.6	19.6	20.7	22.3	22.9	23.5	23.8	24.0	24.0	24.4	24.5	24.5	24.6
≥20000		15.0	17.4	20.3	21.6	22.8	24.7	25.5	26.4	26.8	27.0	27.0	27.5	27.6	27.6	27.8
≥19000		15.0	17.4	20.3	21.7	22.9	24.8	25.6	26.4	26.8	27.1	27.1	27.6	27.7	27.7	27.9
≥18000		15.0	17.4	20.3	21.7	22.9	24.8	25.6	26.4	26.8	27.1	27.1	27.6	27.7	27.7	27.9
≥17000		15.0	17.5	20.4	21.9	23.1	25.1	26.0	26.8	27.3	27.5	27.5	28.0	28.1	28.1	28.3
≥16000		15.5	18.0	21.1	22.7	23.9	25.9	26.8	27.7	28.2	28.5	28.5	29.0	29.1	29.1	29.3
≥15000		15.9	18.5	21.9	23.6	24.8	27.1	28.2	29.1	29.7	30.0	30.0	30.5	30.6	30.6	30.8
≥14000		16.3	19.0	22.5	24.2	25.5	28.0	29.3	30.2	30.9	31.2	31.2	31.7	31.8	31.8	32.0
≥13000		17.4	20.3	23.9	26.0	27.3	30.0	31.3	32.3	33.3	33.6	33.6	34.1	34.2	34.2	34.4
≥12000		18.5	21.7	25.5	27.8	29.2	32.0	33.3	34.3	35.3	35.7	35.8	36.3	36.4	36.4	36.6
≥11000		19.9	23.4	27.3	29.8	31.2	34.0	35.4	36.4	37.4	37.8	37.8	38.4	38.5	38.5	38.7
≥10000		21.5	25.2	29.0	32.2	33.7	36.7	38.3	39.4	40.5	40.9	40.9	41.5	41.6	41.6	41.8
≥9000		22.8	26.4	31.3	34.1	35.5	38.7	40.3	41.6	42.7	43.2	43.3	43.8	43.9	43.9	44.1
≥8000		24.3	28.2	33.6	36.6	38.1	41.4	43.4	44.6	45.7	46.2	46.3	46.8	46.9	46.9	47.1
≥7000		26.3	30.7	36.5	39.7	41.3	44.8	47.2	48.3	49.4	50.0	50.1	50.6	50.7	50.7	50.9
≥6000		28.6	33.5	39.8	43.7	45.6	49.4	52.0	53.2	54.5	55.2	55.3	56.0	56.1	56.1	56.3
≥5000		31.6	37.1	44.2	48.5	50.6	55.0	58.0	59.2	60.7	61.5	61.6	62.4	62.6	62.6	62.8
≥4500		34.8	40.9	48.9	54.2	56.8	61.8	65.1	66.4	68.2	69.1	69.3	70.2	70.3	70.3	70.5
≥4000		35.9	42.5	51.0	56.6	59.7	64.9	68.1	69.7	71.6	72.7	72.8	73.8	73.9	73.9	74.1
≥3500		37.7	45.0	54.2	60.7	64.0	69.2	72.4	74.0	75.3	76.5	76.7	77.7	77.8	77.8	78.0
≥3000		38.2	45.8	55.0	62.8	66.5	71.8	75.1	76.9	78.2	79.5	79.7	80.7	80.8	80.8	81.0
≥2500		38.5	46.4	56.3	63.8	67.7	73.0	76.3	78.1	79.4	80.7	80.9	81.9	82.0	82.0	82.2
≥2000		38.6	46.6	56.5	64.1	68.0	73.2	76.5	78.3	79.6	80.9	81.1	82.1	82.2	82.2	82.4
≥1800		38.7	46.7	56.6	64.2	68.1	73.4	76.7	78.5	79.8	81.1	81.3	82.3	82.4	82.4	82.6
≥1600		38.7	46.7	56.7	64.4	68.2	73.5	76.8	78.6	79.9	81.2	81.4	82.4	82.5	82.5	82.7
≥1400		38.7	46.7	56.7	64.4	68.2	73.5	76.8	78.6	79.9	81.2	81.4	82.4	82.5	82.5	82.7
≥1200		38.7	46.7	56.7	64.4	68.2	73.5	76.8	78.6	79.9	81.2	81.4	82.4	82.5	82.5	82.7
≥1000		38.7	46.7	56.7	64.4	68.2	73.5	76.8	78.6	79.9	81.2	81.4	82.4	82.5	82.5	82.7
≥900		38.7	46.7	56.7	64.4	68.2	73.5	76.8	78.6	79.9	81.2	81.4	82.4	82.5	82.5	82.7
≥800		38.7	46.7	56.7	64.4	68.2	73.5	76.8	78.6	79.9	81.2	81.4	82.4	82.5	82.5	82.7
≥700		38.7	46.7	56.7	64.4	68.2	73.5	76.8	78.6	79.9	81.2	81.4	82.4	82.5	82.5	82.7
≥600		38.7	46.7	56.7	64.4	68.2	73.5	76.8	78.6	79.9	81.2	81.4	82.4	82.5	82.5	82.7
≥500		38.7	46.7	56.7	64.4	68.2	73.5	76.8	78.6	79.9	81.2	81.4	82.4	82.5	82.5	82.7
≥400		38.7	46.7	56.7	64.4	68.2	73.5	76.8	78.6	79.9	81.2	81.4	82.4	82.5	82.5	82.7
≥300		38.7	46.7	56.7	64.4	68.2	73.5	76.8	78.6	79.9	81.2	81.4	82.4	82.5	82.5	82.7
≥200		38.7	46.7	56.7	64.4	68.2	73.5	76.8	78.6	79.9	81.2	81.4	82.4	82.5	82.5	82.7
≥100		38.7	46.7	56.7	64.4	68.2	73.5	76.8	78.6	79.9	81.2	81.4	82.4	82.5	82.5	82.7
≥0		38.7	46.7	56.7	64.4	68.2	73.5	76.8	78.6	79.9	81.2	81.4	82.4	82.5	82.5	82.7

TOTAL NUMBER OF OBSERVATIONS 2231



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

47-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		15.4	17.4	20.0	22.0	22.6	24.1	24.8	25.1	25.8	26.0	26.2	26.3	26.4	26.5	26.6
≥ 20000		16.4	18.5	21.6	23.7	24.4	26.0	26.9	27.3	28.0	28.3	28.5	28.6	28.7	28.8	28.9
IV 18000		16.5	18.6	21.7	23.8	24.5	26.2	27.1	27.5	28.2	28.5	28.7	28.8	28.9	29.0	29.1
IV 16000		16.5	18.6	21.7	23.8	24.5	26.2	27.1	27.5	28.2	28.5	28.7	28.8	28.9	29.0	29.1
IV 14000		16.7	18.8	21.9	24.1	24.9	26.6	27.5	27.8	28.6	28.9	29.0	29.2	29.2	29.4	29.4
IV 12000		17.0	19.2	22.4	24.7	25.5	27.2	28.1	28.4	29.1	29.4	29.6	29.8	29.8	29.9	30.0
IV 10000		17.8	20.2	23.7	26.3	27.1	28.8	29.8	30.3	31.0	31.4	31.6	31.9	32.0	32.1	32.2
IV 9000		18.2	20.7	24.3	26.9	27.7	29.6	30.7	31.2	32.0	32.3	32.5	32.9	32.9	33.0	33.1
IV 8000		19.5	22.5	26.4	29.1	30.0	32.0	33.2	33.7	34.5	34.8	35.1	35.4	35.5	35.6	35.7
IV 7000		21.0	24.1	28.2	31.1	31.9	33.9	35.2	35.7	36.5	36.8	37.1	37.4	37.6	37.7	37.8
IV 6000		21.9	25.1	29.4	32.6	33.4	35.5	36.8	37.3	38.1	38.6	38.8	39.2	39.3	39.4	39.5
IV 5000		23.7	27.3	31.9	35.4	36.6	39.0	40.3	41.1	41.9	42.4	42.6	42.9	43.1	43.2	43.3
IV 4500		24.9	28.6	33.5	37.2	38.5	40.9	42.8	43.3	44.2	44.7	45.0	45.4	45.5	45.7	45.8
IV 4000		26.6	30.3	35.5	39.3	40.8	43.4	45.6	46.3	47.2	47.8	48.1	48.5	48.6	48.8	48.9
IV 3500		28.7	32.9	38.6	42.6	44.2	46.9	49.2	50.0	51.0	51.5	51.9	52.3	52.4	52.5	52.6
IV 3000		32.2	36.7	42.8	47.0	48.8	52.1	54.7	55.6	56.7	57.5	57.8	58.2	58.4	58.5	58.6
IV 2500		35.2	40.3	46.9	51.3	53.2	56.9	59.8	60.8	62.2	63.2	63.5	64.0	64.1	64.3	64.4
IV 2000		39.3	45.2	52.5	57.6	59.7	64.1	67.4	68.4	70.0	71.1	71.4	72.0	72.2	72.3	72.4
IV 1800		40.4	46.8	54.2	59.4	61.6	66.2	69.7	70.9	72.4	73.6	73.9	74.5	74.7	74.8	74.9
IV 1500		42.1	49.1	57.4	63.6	66.1	71.4	75.1	76.4	78.3	79.5	79.8	80.5	80.7	80.8	80.9
IV 1200		42.8	50.2	58.8	65.6	68.3	74.0	78.2	79.8	81.7	82.9	83.3	84.0	84.4	84.5	84.6
IV 1000		43.1	50.7	59.7	66.8	69.6	75.6	80.1	81.7	84.0	85.3	85.8	86.6	87.0	87.1	87.2
IV 900		43.2	50.9	59.9	67.0	69.9	76.0	80.6	82.3	84.6	86.0	86.5	87.3	87.6	87.7	87.9
IV 800		43.3	51.0	60.1	67.2	70.1	76.3	81.2	83.1	85.3	87.1	87.9	88.8	89.2	89.4	89.5
IV 700		43.3	51.1	60.3	67.6	70.6	76.9	81.8	83.8	86.3	88.3	89.2	90.3	90.7	90.8	90.9
IV 600		43.3	51.1	60.3	67.8	70.7	77.2	82.2	84.3	87.4	89.4	90.4	91.6	92.0	92.1	92.2
IV 500		43.3	51.1	60.3	68.0	71.0	77.5	82.5	84.8	88.3	90.3	91.7	93.1	93.5	93.7	93.8
IV 400		43.3	51.1	60.3	68.1	71.0	77.7	82.8	85.1	88.7	91.0	92.5	93.9	94.4	94.6	94.8
IV 300		43.3	51.1	60.3	68.1	71.0	77.7	82.8	85.2	88.8	91.4	92.9	93.1	93.6	93.7	93.8
IV 200		43.3	51.1	60.3	68.1	71.0	77.7	82.8	85.2	88.8	91.4	92.9	93.1	93.6	93.7	93.8
IV 100		43.3	51.1	60.3	68.1	71.0	77.7	82.8	85.2	88.8	91.4	92.9	93.1	93.6	93.7	93.8
IV 0		43.3	51.1	60.3	68.1	71.0	77.7	82.8	85.2	88.8	91.4	92.9	93.1	93.6	93.7	93.8

TOTAL NUMBER OF OBSERVATIONS 2231

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

47-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.16	≥.1	≥0
NO CEILING ≥ 20000		16.5	19.3	22.8	25.7	26.9	29.5	30.6	31.0	31.9	32.8	32.9	33.1	33.2	33.2	33.3
≥ 18000		17.5	20.8	24.7	28.1	29.4	32.2	33.3	33.7	34.6	35.6	35.7	35.9	36.0	36.0	36.2
IV 16000		17.6	20.8	24.7	28.1	29.4	32.3	33.4	33.8	34.7	35.6	35.7	35.9	36.0	36.1	36.2
≥ 14000		17.7	20.9	24.8	28.2	29.5	32.4	33.5	33.9	34.8	35.7	35.8	36.0	36.1	36.2	36.3
IV 12000		18.0	21.3	25.3	28.8	30.1	33.1	34.2	34.6	35.5	36.4	36.5	36.7	36.8	36.9	37.0
≥ 10000		18.4	21.8	26.0	29.6	31.0	34.0	35.2	35.6	36.5	37.4	37.5	37.7	37.8	37.9	38.0
IV 9000		18.8	22.6	26.9	30.4	32.0	35.0	36.2	36.5	37.5	38.4	38.5	38.8	38.9	38.9	39.1
≥ 8000		20.2	24.2	28.9	32.6	34.3	37.6	38.9	39.3	40.3	41.3	41.4	41.7	41.8	41.9	42.0
IV 7000		21.5	25.9	30.7	34.7	36.6	40.2	41.5	42.0	43.1	44.3	44.4	44.7	44.9	45.0	45.1
≥ 6000		22.9	27.4	32.7	36.7	38.9	42.5	43.9	44.4	45.5	46.7	46.8	47.1	47.3	47.4	47.5
IV 5000		25.3	30.4	36.2	40.3	42.6	46.4	48.0	48.5	49.7	50.9	51.0	51.3	51.5	51.5	51.7
≥ 4500		27.4	32.7	38.6	43.1	45.5	49.3	51.0	51.5	52.8	54.0	54.2	54.5	54.6	54.7	54.8
IV 4000		29.0	34.4	40.6	45.3	47.6	51.6	53.3	53.9	55.2	56.4	56.6	56.9	57.1	57.1	57.3
≥ 3500		31.5	36.9	43.5	48.2	50.6	54.9	56.6	57.2	58.6	59.8	60.0	60.3	60.5	60.5	60.6
IV 3000		34.5	40.3	47.5	52.4	54.8	59.4	61.4	62.0	63.6	64.9	65.0	65.3	65.5	65.6	65.7
≥ 2500		38.7	44.8	52.4	57.8	60.5	65.8	68.1	68.7	70.6	71.8	72.0	72.4	72.6	72.7	72.8
IV 2000		41.7	48.3	56.6	62.9	65.9	71.6	74.3	75.1	77.2	78.7	79.0	79.4	79.7	79.8	80.0
≥ 1800		42.5	49.6	58.3	64.8	67.9	73.7	76.5	77.4	79.7	81.3	81.6	82.0	82.3	82.4	82.7
IV 1500		43.6	51.4	60.6	67.5	70.6	77.1	80.2	81.2	83.8	85.4	85.7	86.1	86.4	86.5	86.8
≥ 1200		44.4	52.2	62.1	69.2	72.5	79.1	82.5	83.5	86.1	87.8	88.1	88.5	88.8	88.9	89.2
IV 1000		44.4	52.4	62.4	69.3	72.7	79.7	83.4	84.5	87.4	89.1	89.3	90.1	90.4	90.5	90.8
≥ 900		44.4	52.4	62.4	69.3	72.8	79.8	83.5	84.6	87.6	89.3	89.5	90.3	90.6	90.7	91.2
IV 800		44.4	52.5	62.5	69.6	73.0	80.1	84.0	85.1	88.6	90.8	91.2	91.8	92.1	92.2	92.6
≥ 700		44.4	52.5	62.5	69.6	73.0	80.2	84.3	85.4	89.1	91.4	92.0	92.6	92.9	93.0	93.4
IV 600		44.4	52.5	62.5	69.6	73.0	80.2	84.3	85.6	89.4	91.8	92.4	93.3	93.6	93.7	94.0
≥ 500		44.4	52.5	62.5	69.7	73.1	80.7	84.8	86.1	90.1	92.8	93.4	94.3	94.6	94.7	95.4
IV 400		44.4	52.5	62.5	69.7	73.1	80.7	84.8	86.1	90.2	92.9	93.6	94.7	95.2	95.3	95.7
≥ 300		44.4	52.5	62.5	69.7	73.1	80.8	84.9	86.2	90.3	93.1	93.9	95.2	95.8	95.9	96.3
IV 200		44.4	52.5	62.5	69.7	73.1	80.8	84.9	86.2	90.4	93.4	94.2	95.7	96.8	96.9	97.3
≥ 100		44.4	52.5	62.5	69.7	73.1	80.8	84.9	86.2	90.4	93.4	94.2	95.7	96.8	97.0	97.2
IV 0		44.4	52.5	62.5	69.7	73.1	80.8	84.9	86.2	90.4	93.4	94.2	95.7	96.8	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2033

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

47-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000		16.2	17.2	21.5	23.5	24.6	26.6	27.6	27.9	25.6	29.2	29.3	29.3	29.8	29.9	30.5
IV 18000		17.0	20.5	22.9	25.2	26.6	29.0	29.9	30.2	31.0	31.6	31.6	31.9	32.2	32.3	32.9
IV 16000		17.0	20.5	23.0	25.3	26.7	29.0	30.0	30.2	31.0	31.6	31.7	31.9	32.3	32.3	32.9
IV 14000		17.1	20.6	23.1	25.4	26.8	29.2	30.1	30.3	31.2	31.8	31.8	32.1	32.4	32.4	33.1
IV 12000		17.1	20.6	23.1	25.5	26.8	29.2	30.2	30.3	31.2	31.8	31.9	32.1	32.4	32.5	33.1
IV 10000		17.5	21.0	23.5	25.9	27.4	29.9	31.0	31.4	32.1	32.7	32.8	33.0	33.4	33.4	34.1
IV 9000		17.8	21.6	24.5	27.0	28.6	31.1	32.2	32.5	33.2	33.9	34.0	34.2	34.6	34.6	35.3
IV 8000		18.7	22.7	25.8	28.3	29.9	32.5	33.6	34.0	34.8	35.4	35.5	35.7	36.1	36.1	36.8
IV 7000		20.1	24.2	27.8	30.4	32.1	34.9	36.2	36.6	37.4	38.1	38.2	38.6	38.9	39.0	39.6
IV 6000		21.5	25.9	29.7	32.5	34.4	37.5	38.8	39.4	40.3	41.1	41.2	41.7	42.0	42.1	42.7
IV 5000		22.5	27.2	31.1	34.2	36.1	39.3	40.8	41.4	42.3	43.3	43.4	43.9	44.2	44.2	44.9
IV 4500		23.1	30.2	34.3	37.6	39.7	43.0	44.6	45.2	46.1	47.1	47.2	47.6	48.0	48.0	48.7
IV 4000		26.9	32.3	36.4	39.9	42.0	45.4	47.1	47.6	48.6	49.6	49.7	50.1	50.5	50.5	51.2
IV 3500		28.7	34.1	38.6	42.3	44.6	48.0	49.7	50.3	51.3	52.3	52.6	53.0	53.4	53.4	54.1
IV 3000		30.6	36.3	41.3	45.1	47.5	51.2	53.3	53.9	55.1	56.0	56.1	56.6	57.0	57.1	57.7
IV 2500		34.0	40.1	45.1	49.1	51.3	55.3	57.7	58.4	59.8	60.7	60.9	61.4	61.8	61.9	62.5
IV 2000		37.9	44.5	50.1	54.4	57.5	61.9	64.6	65.3	67.0	67.9	68.1	68.6	69.1	69.1	69.8
IV 1800		40.8	48.5	54.9	59.8	63.3	68.3	71.6	72.4	74.2	75.3	75.6	76.1	76.5	76.5	77.2
IV 1500		41.2	49.4	55.9	61.0	64.7	70.1	73.5	74.2	76.1	77.2	77.5	78.0	78.4	78.5	79.2
IV 1200		43.0	51.3	58.7	64.0	67.6	73.3	77.2	78.2	80.2	81.3	81.6	82.1	82.5	82.5	83.2
IV 1000		44.0	52.7	60.2	66.2	70.0	76.4	80.3	81.4	83.9	85.2	85.4	85.9	86.3	86.4	87.1
IV 900		44.3	53.1	60.8	67.2	71.0	77.7	82.0	83.1	86.0	87.3	87.9	88.4	88.8	88.9	89.6
IV 800		44.3	53.1	60.8	67.2	71.0	77.7	82.0	83.1	86.0	87.3	87.9	88.4	88.8	88.9	89.6
IV 700		44.3	53.1	60.9	67.4	71.2	78.0	83.0	84.2	87.3	89.0	89.6	90.2	90.7	90.7	91.4
IV 600		44.3	53.1	60.9	67.4	71.2	78.0	83.0	84.2	87.3	89.0	89.6	90.2	90.7	90.7	91.4
IV 500		44.3	53.1	60.9	67.4	71.4	78.2	83.3	84.7	88.1	90.1	90.7	91.4	91.9	91.9	92.6
IV 400		44.3	53.1	60.9	67.4	71.4	78.2	83.3	84.7	88.1	90.1	90.7	91.4	91.9	91.9	92.6
IV 300		44.3	53.1	60.9	67.4	71.4	78.2	83.3	84.7	88.1	90.1	90.7	91.4	91.9	91.9	92.6
IV 200		44.3	53.1	60.9	67.4	71.4	78.2	83.3	84.7	88.1	90.1	90.7	91.4	91.9	91.9	92.6
IV 100		44.3	53.1	60.9	67.4	71.4	78.2	83.3	84.7	88.1	90.1	90.7	91.4	91.9	91.9	92.6
IV 0		44.3	53.1	60.9	67.4	71.4	78.2	83.3	84.7	88.1	90.1	90.7	91.4	91.9	91.9	92.6

TOTAL NUMBER OF OBSERVATIONS 2034

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

47-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET:	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		12.9	15.7	17.8	19.9	21.1	23.1	24.0	24.3	24.9	25.4	25.5	26.2	26.5	26.5	27.3
≥20000		14.1	17.1	19.3	21.7	23.1	25.3	26.2	26.5	27.1	27.7	27.8	28.5	28.8	28.8	29.6
≥18000		14.1	17.1	19.3	21.8	23.1	25.3	26.2	26.5	27.2	27.8	27.9	28.5	28.8	28.9	29.7
≥16000		14.2	17.1	19.4	21.8	23.2	25.4	26.3	26.6	27.3	27.9	28.0	28.6	28.9	29.0	29.8
≥14000		14.3	17.3	19.6	22.0	23.4	25.6	26.5	26.9	27.5	28.1	28.2	28.9	29.2	29.2	30.0
≥12000		14.8	17.9	20.2	22.7	24.1	26.4	27.3	27.7	28.3	28.9	29.0	29.6	29.9	30.0	30.8
≥10000		15.3	18.5	20.9	23.5	25.0	27.6	28.5	28.9	29.6	30.2	30.3	30.9	31.2	31.3	32.1
≥9000		15.9	19.2	21.9	24.6	26.2	28.9	29.8	30.2	31.0	31.7	31.8	32.4	32.7	32.7	33.6
≥8000		17.3	21.2	24.3	27.3	29.0	32.0	33.0	33.5	34.3	35.0	35.1	35.8	36.1	36.2	37.1
≥7000		19.0	22.8	26.0	29.3	31.0	34.1	35.3	35.8	36.7	37.4	37.5	38.2	38.5	38.6	39.5
≥6000		20.2	24.0	27.4	31.0	32.8	36.2	37.7	38.2	39.1	39.8	40.0	40.7	41.1	41.2	42.1
≥5000		22.3	26.5	30.0	34.2	36.1	39.8	41.0	42.1	43.2	43.9	44.1	44.8	45.3	45.4	46.3
≥4500		23.5	27.9	31.7	36.0	38.0	41.7	43.3	44.2	45.2	45.9	46.0	46.8	47.3	47.3	48.3
≥4000		25.6	30.1	34.5	39.3	41.4	45.3	47.2	47.8	48.9	49.6	49.7	50.5	51.0	51.0	52.0
≥3500		27.7	32.7	37.5	42.5	44.7	49.0	51.1	51.8	53.0	53.7	53.9	54.8	55.3	55.4	56.3
≥3000		30.5	35.7	41.1	46.2	48.4	52.9	55.4	56.2	57.4	58.2	58.4	59.3	59.8	59.9	60.9
≥2500		33.1	38.6	44.3	50.2	52.8	57.8	60.6	61.5	62.9	64.0	64.2	65.1	65.6	65.6	66.7
≥2000		36.7	42.9	50.2	56.6	59.9	65.4	68.7	69.7	71.3	72.4	72.8	73.8	74.4	74.7	75.6
≥1800		37.6	43.9	51.6	58.2	61.8	67.3	70.9	72.0	73.7	74.9	75.2	76.3	76.9	77.2	78.1
≥1500		38.4	45.2	53.1	60.0	64.0	70.1	73.9	75.1	77.0	78.3	78.8	80.0	80.6	80.9	81.8
≥1200		39.2	46.2	54.3	61.6	65.7	72.1	76.4	77.6	79.7	81.3	81.8	83.1	83.7	84.0	84.9
≥1000		39.6	46.7	55.1	62.8	67.2	73.7	78.3	79.6	82.1	84.0	84.5	85.9	86.6	86.9	87.9
≥900		39.6	46.8	55.2	63.0	67.3	74.2	79.0	80.3	82.8	84.8	85.3	86.8	87.5	87.8	88.7
≥800		39.7	46.8	55.3	63.1	67.6	74.5	79.3	80.7	83.3	85.3	85.8	87.3	88.4	88.8	89.7
≥700		39.7	46.9	55.3	63.2	67.8	74.7	79.6	81.1	83.8	85.8	86.3	87.8	88.9	89.3	90.6
≥600		39.7	46.9	55.4	63.3	67.9	75.0	80.1	81.6	84.4	86.4	86.9	88.4	89.4	90.2	91.4
≥500		39.7	46.9	55.4	63.3	67.9	75.1	80.3	81.8	84.6	86.6	87.1	88.6	89.7	90.5	91.7
≥400		39.7	46.9	55.4	63.4	68.0	75.1	80.3	81.9	84.7	86.7	87.2	88.7	89.8	90.6	91.8
≥300		39.7	46.9	55.4	63.4	68.0	75.1	80.4	82.0	84.8	86.8	87.3	88.8	89.9	90.7	91.9
≥200		39.7	46.9	55.4	63.4	68.0	75.1	80.4	82.0	84.8	86.8	87.3	88.8	89.9	90.7	91.9
≥100		39.7	46.9	55.4	63.4	68.0	75.1	80.4	82.0	84.8	86.8	87.3	88.8	89.9	90.7	91.9
≥0		39.7	46.9	55.4	63.4	68.0	75.1	80.4	82.0	84.8	86.8	87.3	88.8	89.9	90.7	91.9

TOTAL NUMBER OF OBSERVATIONS 2034

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

47-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET:	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING		12.1	14.1	16.0	17.1	17.9	19.5	20.1	20.7	21.3	21.8	22.1	22.6	22.9	22.9	23.5
≥ 20000		13.5	15.1	16.5	17.7	18.1	19.5	20.1	20.7	21.3	21.8	22.1	22.6	22.9	22.9	23.5
≥ 18000		12.7	14.2	15.6	16.7	17.2	18.5	19.2	19.8	20.4	20.9	21.2	21.6	21.9	21.9	22.4
≥ 16000		13.7	15.2	16.6	17.8	18.3	19.6	20.3	20.9	21.5	22.0	22.3	22.7	23.0	23.0	23.5
≥ 14000		13.8	15.3	16.7	17.9	18.4	19.7	20.4	21.0	21.6	22.1	22.4	22.8	23.1	23.1	23.6
≥ 12000		14.6	16.1	17.5	18.7	19.2	20.5	21.2	21.8	22.4	22.9	23.2	23.6	23.9	23.9	24.4
≥ 10000		15.4	16.9	18.3	19.5	20.0	21.3	22.0	22.6	23.2	23.7	24.0	24.4	24.7	24.7	25.2
≥ 9000		15.8	17.3	18.7	19.9	20.4	21.7	22.4	23.0	23.6	24.1	24.4	24.8	25.1	25.1	25.6
≥ 8000		16.7	18.2	19.6	20.8	21.3	22.6	23.3	23.9	24.5	25.0	25.3	25.7	26.0	26.0	26.5
≥ 7000		17.3	18.8	20.2	21.4	21.9	23.2	23.9	24.5	25.1	25.6	25.9	26.3	26.6	26.6	27.1
≥ 6000		18.1	19.6	21.0	22.2	22.7	24.0	24.7	25.3	25.9	26.4	26.7	27.1	27.4	27.4	27.9
≥ 5000		19.3	20.8	22.2	23.4	23.9	25.2	25.9	26.5	27.1	27.6	27.9	28.3	28.6	28.6	29.1
≥ 4500		20.8	22.3	23.7	24.9	25.4	26.7	27.4	28.0	28.6	29.1	29.4	29.8	30.1	30.1	30.6
≥ 4000		21.9	23.4	24.8	26.0	26.5	27.8	28.5	29.1	29.7	30.2	30.5	30.9	31.2	31.2	31.7
≥ 3500		24.1	25.6	27.0	28.2	28.7	30.0	30.7	31.3	31.8	32.3	32.6	33.0	33.3	33.3	33.8
≥ 3000		25.9	27.4	28.8	30.0	30.5	31.8	32.5	33.1	33.6	34.1	34.4	34.8	35.1	35.1	35.6
≥ 2500		28.8	30.3	31.7	32.9	33.4	34.7	35.4	36.0	36.5	37.0	37.3	37.7	38.0	38.0	38.5
≥ 2000		32.0	33.5	34.9	36.1	36.6	37.9	38.6	39.2	39.7	40.2	40.5	40.9	41.2	41.2	41.7
≥ 1800		32.3	33.8	35.2	36.4	36.9	38.2	38.9	39.5	40.0	40.5	40.8	41.2	41.5	41.5	42.0
≥ 1500		32.9	34.4	35.8	37.0	37.5	38.8	39.5	40.1	40.6	41.1	41.4	41.8	42.1	42.1	42.6
≥ 1200		33.3	34.8	36.2	37.4	37.9	39.2	39.9	40.5	41.0	41.5	41.8	42.2	42.5	42.5	43.0
≥ 1000		33.5	35.0	36.4	37.6	38.1	39.4	40.1	40.7	41.2	41.7	42.0	42.4	42.7	42.7	43.2
≥ 900		33.5	35.0	36.4	37.6	38.1	39.4	40.1	40.7	41.2	41.7	42.0	42.4	42.7	42.7	43.2
≥ 800		33.6	35.1	36.5	37.7	38.2	39.5	40.2	40.8	41.3	41.8	42.1	42.5	42.8	42.8	43.3
≥ 700		33.6	35.1	36.5	37.7	38.2	39.5	40.2	40.8	41.3	41.8	42.1	42.5	42.8	42.8	43.3
≥ 600		33.6	35.1	36.5	37.7	38.2	39.5	40.2	40.8	41.3	41.8	42.1	42.5	42.8	42.8	43.3
≥ 500		33.6	35.1	36.5	37.7	38.2	39.5	40.2	40.8	41.3	41.8	42.1	42.5	42.8	42.8	43.3
≥ 400		33.6	35.1	36.5	37.7	38.2	39.5	40.2	40.8	41.3	41.8	42.1	42.5	42.8	42.8	43.3
≥ 300		33.6	35.1	36.5	37.7	38.2	39.5	40.2	40.8	41.3	41.8	42.1	42.5	42.8	42.8	43.3
≥ 200		33.6	35.1	36.5	37.7	38.2	39.5	40.2	40.8	41.3	41.8	42.1	42.5	42.8	42.8	43.3
≥ 100		33.6	35.1	36.5	37.7	38.2	39.5	40.2	40.8	41.3	41.8	42.1	42.5	42.8	42.8	43.3
≥ 0		33.6	35.1	36.5	37.7	38.2	39.5	40.2	40.8	41.3	41.8	42.1	42.5	42.8	42.8	43.3

TOTAL NUMBER OF OBSERVATIONS

2034

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

47-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		12.3	13.5	14.4	18.4	19.4	20.9	21.8	22.4	23.2	23.5	23.6	23.7	24.0	24.0	24.0
≥ 20000		14.8	16.8	20.5	23.0	24.4	26.6	27.8	28.5	29.5	29.9	30.0	30.3	30.6	30.6	30.7
IV 18000		15.0	17.0	20.7	23.2	24.8	27.0	28.4	29.1	30.1	30.5	30.7	30.9	31.3	31.3	31.3
IV 16000		15.2	17.2	20.9	23.4	25.0	27.2	28.6	29.3	30.3	30.7	30.9	31.1	31.5	31.5	31.5
IV 14000		15.3	17.6	21.3	23.7	25.4	27.6	29.0	29.7	30.7	31.1	31.3	31.5	31.9	31.9	31.9
IV 12000		15.8	17.9	21.7	24.2	25.9	28.2	29.5	30.3	31.4	31.8	31.9	32.2	32.5	32.5	32.5
IV 10000		16.3	18.7	22.6	25.4	27.3	29.7	31.2	32.0	33.1	33.9	33.7	33.9	34.3	34.3	34.3
IV 9000		17.2	19.7	23.6	26.6	28.7	31.2	32.6	33.5	34.8	35.3	35.4	35.7	36.0	36.0	36.1
IV 8000		17.8	20.5	24.5	27.6	29.5	32.5	34.3	35.2	36.6	37.1	37.3	37.6	37.9	37.9	38.0
IV 7000		18.6	21.5	25.9	29.2	31.5	34.4	35.9	37.3	38.8	39.4	39.5	39.8	40.2	40.2	40.2
IV 6000		19.5	22.4	26.7	30.3	32.9	35.8	37.9	38.9	40.3	41.2	41.3	41.7	42.1	42.1	42.2
IV 5000		21.1	24.3	28.8	32.7	35.2	38.5	40.7	41.7	43.0	44.4	44.6	45.0	45.4	45.4	45.5
IV 4500		22.7	25.1	30.9	35.0	37.5	41.0	43.1	44.2	46.2	47.1	47.4	47.8	48.2	48.2	48.2
IV 4000		23.5	26.9	32.2	36.5	41.5	44.7	47.0	48.2	50.3	51.2	51.5	51.9	52.4	52.4	52.4
IV 3500		28.1	31.0	37.2	41.9	44.7	48.6	51.0	52.3	54.4	55.3	55.6	56.0	56.4	56.4	56.5
IV 3000		31.7	35.7	41.5	46.6	49.5	53.7	56.5	57.8	60.0	61.0	61.3	61.7	62.1	62.1	62.2
IV 2500		35.4	39.9	46.3	51.5	54.6	59.8	62.9	64.2	66.4	67.6	68.0	68.4	68.9	68.9	68.9
IV 2000		39.2	44.3	51.9	57.9	61.8	67.7	71.3	73.0	75.4	77.3	77.8	78.4	78.9	78.9	78.9
IV 1800		39.8	45.3	52.9	59.0	63.0	69.2	72.9	74.6	77.2	78.9	79.4	80.0	80.5	80.5	80.5
IV 1500		40.4	46.2	54.3	60.9	65.0	72.2	76.5	78.4	81.3	83.2	83.7	84.4	84.9	84.9	85.0
IV 1200		40.7	46.7	55.1	61.9	66.4	73.8	78.3	80.3	83.6	85.7	86.3	87.3	87.5	87.5	87.6
IV 1000		41.0	47.1	55.6	62.6	67.2	73.3	79.9	82.2	85.8	88.2	89.1	90.0	90.7	90.7	90.7
IV 900		41.0	47.1	55.7	62.7	67.3	73.5	80.1	82.5	86.2	89.1	90.1	91.1	91.8	91.8	91.8
IV 800		41.0	47.1	55.7	62.7	67.4	73.6	80.2	82.6	86.8	89.8	90.9	92.0	92.7	92.7	92.5
IV 700		41.0	47.1	55.7	62.8	67.5	73.7	80.3	83.1	87.1	90.6	91.6	92.9	93.7	93.7	93.5
IV 600		41.0	47.1	55.7	62.9	67.5	73.8	80.7	83.3	87.5	91.3	92.6	94.1	94.9	94.9	92.0
IV 500		41.0	47.1	55.7	62.9	67.6	73.8	80.8	83.4	87.9	92.1	93.4	95.0	96.1	96.1	96.3
IV 400		41.0	47.1	55.7	62.9	67.6	73.8	80.8	83.4	87.9	92.3	93.7	95.3	96.9	97.0	97.1
IV 300		41.0	47.1	55.7	62.9	67.6	73.8	80.8	83.4	87.9	92.6	94.1	96.1	97.4	97.9	98.1
IV 200		41.0	47.1	55.7	62.9	67.6	73.8	80.8	83.4	87.9	92.8	94.1	96.1	97.7	97.9	99.0
IV 100		41.0	47.1	55.7	62.9	67.6	73.8	80.8	83.4	87.9	92.8	94.1	96.1	97.7	98.0	97.5
IV 0		41.0	47.1	55.7	62.9	67.6	73.8	80.8	83.4	87.9	92.8	94.1	96.1	97.7	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2034

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 RIESHADEN AB GERMANY

47-70

YEARS

258

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING ≥ 20000		15.1	17.0	19.5	20.8	21.6	23.2	24.5	24.7	25.0	25.2	25.2	25.6	25.8	25.8	25.8
IV 18000		16.9	21.3	24.9	26.5	28.0	29.6	31.1	31.9	31.9	32.2	32.2	32.6	32.9	32.9	32.9
IV 16000		19.1	21.5	25.1	26.9	28.3	30.0	31.5	31.9	32.3	32.6	32.7	33.1	33.4	33.4	33.5
IV 14000		19.3	21.7	25.4	27.3	28.7	30.3	31.9	32.3	32.7	33.0	33.0	33.4	33.7	33.7	33.8
IV 12000		19.7	22.1	25.9	27.7	29.1	30.8	32.3	32.8	33.2	33.5	33.5	33.9	34.2	34.2	34.3
IV 10000		20.3	22.6	26.5	28.4	29.9	31.6	33.3	33.7	34.1	34.5	34.6	35.0	35.3	35.3	35.4
IV 9000		21.4	24.0	28.1	30.1	31.6	33.6	35.2	35.6	36.1	36.6	36.7	37.1	37.5	37.5	37.5
IV 8000		22.1	24.9	28.9	31.1	32.8	34.7	36.5	37.0	37.5	38.2	38.3	38.7	39.0	39.0	39.1
IV 7000		23.5	26.6	31.0	33.3	35.1	37.3	39.2	39.7	40.3	40.9	41.0	41.5	41.8	41.8	41.9
IV 6000		24.3	27.4	32.2	35.0	36.8	39.1	41.3	41.9	42.6	43.3	43.4	43.8	44.2	44.2	44.3
IV 5000		25.6	28.7	33.8	36.6	38.5	40.9	43.2	43.8	44.6	45.3	45.4	45.9	46.3	46.3	46.4
IV 4500		27.1	30.3	35.6	38.7	40.7	43.3	45.7	46.5	47.3	48.1	48.3	48.9	49.3	49.3	49.4
IV 4000		29.3	32.6	38.2	41.6	43.6	46.2	48.7	49.8	50.7	51.6	51.7	52.3	52.7	52.7	52.8
IV 3500		31.8	35.3	41.5	44.9	47.0	49.6	52.5	53.5	54.5	55.3	55.5	56.3	56.6	56.6	56.7
IV 3000		34.4	38.1	44.8	48.5	50.7	53.6	56.3	57.3	58.4	59.6	59.8	60.6	61.0	61.0	61.1
IV 2500		38.2	42.4	49.7	53.7	55.9	59.2	62.2	63.2	64.7	65.8	65.9	66.7	67.1	67.1	67.2
IV 2000		41.9	46.7	54.9	59.5	61.9	65.5	68.6	69.8	71.3	72.4	72.7	73.6	74.0	74.0	74.1
IV 1800		44.8	50.4	59.3	64.8	67.3	71.9	75.3	77.0	79.0	80.2	80.3	81.3	81.9	81.9	82.0
IV 1500		45.4	51.2	60.5	66.1	69.0	73.7	77.3	78.9	81.1	82.3	82.6	83.7	84.1	84.1	84.2
IV 1200		46.3	52.3	62.2	68.2	71.3	76.3	80.4	82.2	84.5	85.9	86.3	87.4	87.8	87.8	87.9
IV 1000		46.5	52.5	62.5	68.7	71.9	77.3	81.6	83.6	86.3	87.7	88.2	89.4	90.0	90.0	90.1
IV 900		46.8	52.9	63.0	69.3	72.6	78.6	82.9	85.0	87.0	89.4	90.2	91.5	92.1	92.1	92.2
IV 800		46.8	52.9	63.1	69.5	72.9	78.9	83.3	85.4	87.4	89.8	90.6	92.1	92.8	92.8	92.9
IV 700		46.8	52.9	63.1	69.5	73.0	79.2	83.7	85.8	87.8	90.2	91.1	92.6	93.3	93.3	93.4
IV 600		46.8	52.9	63.1	69.5	73.0	79.2	83.8	85.9	87.9	90.3	91.2	92.7	93.4	93.4	93.5
IV 500		46.8	52.9	63.1	69.5	73.0	79.3	83.9	86.0	88.0	90.4	91.3	92.8	93.5	93.5	93.6
IV 400		46.8	52.9	63.1	69.5	73.0	79.3	83.9	86.0	88.0	90.4	91.3	92.8	93.5	93.5	93.6
IV 300		46.8	52.9	63.1	69.5	73.0	79.3	83.9	86.0	88.0	90.4	91.3	92.8	93.5	93.5	93.6
IV 200		46.8	52.9	63.1	69.5	73.0	79.3	83.9	86.0	88.0	90.4	91.3	92.8	93.5	93.5	93.6
IV 100		46.8	52.9	63.1	69.5	73.0	79.3	83.9	86.0	88.0	90.4	91.3	92.8	93.5	93.5	93.6
IV 0		46.8	52.9	63.1	69.5	73.0	79.3	83.9	86.0	88.0	90.4	91.3	92.8	93.5	93.5	93.6

TOTAL NUMBER OF OBSERVATIONS 2332



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

47-76

YEARS

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-2000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING		17.0	19.7	23.2	24.7	26.1	27.8	29.0	29.4	30.1	30.5	30.8	31.0	31.0	31.0	31.1
≥ 20000		19.2	22.5	26.4	28.9	30.4	32.7	34.0	34.6	35.2	35.7	36.0	36.2	36.3	36.3	36.5
N 18000		19.4	22.6	26.5	29.0	30.6	32.8	34.1	34.7	35.3	35.7	36.0	36.2	36.4	36.5	36.6
N 16000		19.6	22.8	26.8	29.4	31.0	33.2	34.5	35.2	35.9	36.3	36.6	36.8	36.9	36.9	37.0
N 14000		19.7	22.9	27.0	29.6	31.2	33.4	34.7	35.4	36.1	36.6	36.8	37.0	37.1	37.1	37.3
N 12000		20.1	23.4	27.5	30.3	31.9	34.1	35.4	36.1	37.0	37.5	37.7	38.1	38.2	38.2	38.3
N 10000		20.9	24.3	28.8	31.4	33.3	35.6	37.3	38.0	38.9	39.3	39.6	39.9	40.0	40.0	40.2
N 9000		21.3	24.9	29.4	32.0	34.1	36.8	38.2	38.9	39.9	40.4	40.7	41.0	41.1	41.1	41.2
N 8000		22.9	26.7	31.6	35.1	37.1	40.0	41.4	42.2	43.3	43.9	44.1	44.5	44.6	44.6	44.8
N 7000		23.8	27.8	33.0	36.7	39.0	42.1	43.8	44.8	46.0	46.7	47.0	47.4	47.5	47.5	47.7
N 6000		25.1	29.3	34.7	38.6	40.9	44.1	45.9	47.0	48.1	48.9	49.2	49.6	49.8	49.8	49.9
N 5000		27.5	32.0	37.8	41.9	44.3	47.8	49.6	50.9	52.2	53.1	53.5	53.9	54.0	54.0	54.2
N 4500		28.9	33.6	39.9	44.0	46.4	50.1	51.9	53.2	54.6	55.6	56.0	56.5	56.6	56.6	56.8
N 4000		31.0	35.9	42.5	46.7	49.2	53.0	54.9	56.2	57.6	58.8	59.3	59.7	59.9	59.9	60.0
N 3500		32.8	38.2	45.4	50.0	52.5	56.6	58.5	60.0	61.6	62.7	63.2	63.8	63.9	63.9	64.1
N 3000		35.5	41.2	49.2	54.1	56.7	61.0	63.0	64.8	66.2	67.4	67.9	68.4	68.6	68.6	68.7
N 2500		37.5	43.7	51.1	56.5	59.3	63.8	65.8	67.8	69.3	70.8	72.0	73.3	73.8	73.8	73.8
N 2000		43.8	49.8	59.1	65.3	68.5	73.9	75.7	77.5	79.3	81.1	82.5	84.0	84.1	84.1	84.3
N 1800		43.3	50.2	60.0	66.3	69.5	75.1	77.0	78.7	80.5	82.3	83.7	84.4	85.2	85.3	85.5
N 1500		43.3	51.0	61.2	67.9	71.5	77.3	79.3	80.5	82.3	83.7	85.2	87.6	88.4	88.5	88.7
N 1000		44.5	51.5	61.7	68.7	72.5	78.6	80.6	81.8	83.7	85.2	86.9	88.6	89.3	90.2	90.3
N 800		44.1	51.5	62.1	69.2	73.0	79.4	81.4	82.6	84.0	85.6	87.0	88.6	89.3	90.2	90.3
N 700		44.1	51.5	62.1	69.2	73.0	79.4	81.4	82.6	84.0	85.6	87.0	88.6	89.3	90.2	90.3
N 600		44.1	51.5	62.1	69.2	73.0	79.4	81.4	82.6	84.0	85.6	87.0	88.6	89.3	90.2	90.3
N 500		44.1	51.5	62.1	69.2	73.0	79.4	81.4	82.6	84.0	85.6	87.0	88.6	89.3	90.2	90.3
N 400		44.1	51.5	62.1	69.2	73.0	79.4	81.4	82.6	84.0	85.6	87.0	88.6	89.3	90.2	90.3
N 300		44.1	51.5	62.1	69.2	73.0	79.4	81.4	82.6	84.0	85.6	87.0	88.6	89.3	90.2	90.3
N 200		44.1	51.5	62.1	69.2	73.0	79.4	81.4	82.6	84.0	85.6	87.0	88.6	89.3	90.2	90.3
N 100		44.1	51.5	62.1	69.2	73.0	79.4	81.4	82.6	84.0	85.6	87.0	88.6	89.3	90.2	90.3
N 0		44.1	51.5	62.1	69.2	73.0	79.4	81.4	82.6	84.0	85.6	87.0	88.6	89.3	90.2	90.3

TOTAL NUMBER OF OBSERVATIONS 2034



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

47-70

YEARS

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS LT

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		16.8	19.5	22.5	26.5	27.7	29.7	30.4	30.7	32.2	32.9	32.9	32.9	33.0	33.0	33.0
≥ 20000		18.4	21.5	26.4	30.1	31.6	32.5	34.3	34.6	36.1	36.8	36.8	36.8	36.9	36.9	36.9
IV 18000		18.6	21.6	26.6	30.3	31.6	32.6	34.4	34.7	36.2	36.9	37.0	37.0	37.0	37.0	37.1
IV 16000		19.6	21.7	26.6	30.3	31.6	32.7	34.5	34.8	36.3	37.0	37.0	37.0	37.1	37.1	37.1
IV 14000		18.7	21.6	26.8	30.5	31.8	32.9	34.7	35.0	36.5	37.2	37.2	37.2	37.3	37.3	37.4
IV 12000		12.1	22.2	27.3	31.0	32.4	34.5	35.3	35.6	37.1	37.9	37.9	37.9	38.0	38.0	38.0
IV 10000		20.1	23.4	28.8	32.6	34.1	36.4	37.1	37.4	39.0	39.8	39.9	39.9	39.9	39.9	40.0
IV 9000		20.4	23.7	29.2	33.1	34.7	37.0	37.8	38.1	39.7	40.6	40.6	40.6	40.7	40.7	40.7
IV 8000		22.3	25.7	31.4	35.7	37.7	40.1	41.0	41.5	43.1	43.9	44.0	44.0	44.0	44.1	44.1
IV 7000		23.8	27.5	33.4	38.0	40.0	42.7	43.7	44.2	45.8	46.8	46.8	46.9	46.9	46.9	47.0
IV 6000		25.3	29.7	35.8	40.7	42.7	45.8	46.8	47.3	48.9	49.9	50.0	50.1	50.1	50.1	50.2
IV 5000		28.1	32.8	39.5	44.7	47.0	50.4	51.5	52.1	53.9	54.9	54.9	55.1	55.1	55.1	55.2
IV 4500		30.1	34.8	41.8	47.0	49.3	52.8	54.1	54.6	56.4	57.5	57.5	57.6	57.7	57.7	57.7
IV 4000		32.2	37.1	44.4	50.2	52.5	56.4	57.6	58.2	59.9	61.1	61.1	61.2	61.3	61.3	61.4
IV 3500		34.3	39.4	47.0	52.8	55.3	59.2	60.5	61.1	62.9	64.2	64.4	64.5	64.6	64.6	64.7
IV 3000		37.4	42.7	50.9	57.2	59.7	63.6	65.6	66.2	68.1	69.3	69.7	69.8	69.9	69.9	70.0
IV 2500		40.1	45.9	54.8	61.5	64.1	68.0	70.6	71.2	73.9	75.0	75.2	75.4	75.5	75.5	75.6
IV 2000		44.1	50.9	60.8	68.2	70.8	76.1	78.2	78.8	81.3	82.8	83.2	83.4	83.7	83.7	83.8
IV 1800		44.9	51.7	61.8	69.2	72.0	77.4	79.5	80.2	82.8	84.3	84.7	84.9	85.1	85.2	85.2
IV 1500		45.1	52.5	62.9	70.8	73.6	79.8	82.1	82.8	85.8	87.3	87.7	87.9	88.1	88.1	88.2
IV 1200		45.7	53.2	63.9	72.0	75.0	81.6	84.0	84.9	87.9	89.7	90.1	90.3	90.6	90.6	90.7
IV 1000		45.9	53.5	64.5	72.7	75.8	82.4	85.0	85.9	89.4	91.3	91.7	92.0	92.3	92.4	92.4
IV 900		45.9	53.5	64.5	72.7	75.8	82.4	85.2	86.1	89.8	91.7	92.1	92.4	92.7	92.8	92.8
IV 800		45.9	53.5	64.5	72.7	75.9	82.7	85.5	86.5	90.4	92.6	93.0	93.4	93.6	93.7	93.8
IV 700		45.9	53.5	64.5	72.7	75.9	82.7	85.5	86.5	90.4	92.6	93.0	93.4	93.6	93.7	93.8
IV 600		45.9	53.5	64.5	72.8	75.9	82.7	85.5	86.5	90.4	92.6	93.0	93.4	93.6	93.7	93.8
IV 500		45.9	53.5	64.5	72.8	75.9	82.7	85.5	86.5	90.4	92.6	93.0	93.4	93.6	93.7	93.8
IV 400		45.9	53.5	64.5	72.8	75.9	82.7	85.5	86.5	90.4	92.6	93.0	93.4	93.6	93.7	93.8
IV 300		45.9	53.5	64.5	72.8	75.9	82.7	85.5	86.5	90.4	92.6	93.0	93.4	93.6	93.7	93.8
IV 200		45.9	53.5	64.5	72.8	75.9	82.7	85.5	86.5	90.4	92.6	93.0	93.4	93.6	93.7	93.8
IV 100		45.9	53.5	64.5	72.8	75.9	82.7	85.5	86.5	90.4	92.6	93.0	93.4	93.6	93.7	93.8
IV 0		45.9	53.5	64.5	72.8	75.9	82.7	85.5	86.5	90.4	92.6	93.0	93.4	93.6	93.7	93.8

TOTAL NUMBER OF OBSERVATIONS 2033

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

48-70

YEARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS R 311

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		31.6	35.6	38.6	41.1	42.4	44.4	45.2	45.3	45.6	45.9	45.9	46.0	46.0	46.0	46.0
≥ 20000		31.2	37.5	40.8	42.5	44.8	46.9	47.8	47.9	48.2	48.4	48.4	48.6	48.6	48.6	48.6
≥ 18000		33.2	37.5	40.8	42.5	44.8	46.9	47.8	47.9	48.2	48.4	48.4	48.6	48.6	48.6	48.6
≥ 16000		33.2	37.5	40.9	42.6	44.9	47.0	47.8	48.0	48.2	48.3	48.3	48.5	48.7	48.7	48.7
≥ 14000		33.2	37.6	41.0	42.7	45.0	47.1	47.9	48.1	48.4	48.6	48.6	48.8	48.8	48.8	48.8
≥ 12000		24.3	38.8	42.3	45.2	46.5	48.6	49.5	49.7	49.7	50.2	50.2	50.3	50.3	50.3	50.3
≥ 10000		35.1	39.9	42.8	46.9	48.2	50.4	51.2	51.4	51.7	51.9	51.9	52.1	52.1	52.1	52.1
≥ 9000		35.6	40.4	44.5	47.6	49.0	51.4	52.3	52.5	52.8	53.1	53.1	53.2	53.2	53.2	53.2
≥ 8000		38.2	43.2	47.6	51.0	52.7	55.3	56.3	56.5	57.0	57.3	57.3	57.4	57.4	57.4	57.5
≥ 7000		40.0	45.7	50.2	53.6	55.3	58.1	59.3	59.3	59.9	60.3	60.3	60.4	60.4	60.4	60.5
≥ 6000		42.7	48.6	53.3	56.8	58.6	61.4	62.6	62.8	63.3	63.6	63.6	63.7	63.7	63.7	63.8
≥ 5000		45.3	51.6	56.6	60.7	62.6	65.5	66.6	66.9	67.4	67.7	67.7	67.9	67.9	67.9	68.0
≥ 4500		47.0	53.9	59.3	63.9	66.0	69.0	70.2	70.3	71.1	71.4	71.4	71.6	71.6	71.6	71.7
≥ 4000		48.6	56.0	61.3	66.0	68.3	71.7	73.0	73.3	73.9	74.3	74.3	74.5	74.5	74.5	74.5
≥ 3500		51.3	59.0	64.7	69.6	72.1	75.3	76.6	76.9	77.6	78.0	78.0	78.2	78.2	78.3	78.3
≥ 3000		53.9	62.1	68.2	73.7	76.3	79.7	81.1	81.3	82.2	82.7	82.7	82.9	82.9	82.9	83.0
≥ 2500		56.4	65.0	71.8	77.8	80.4	83.8	85.3	85.7	86.4	86.9	86.9	87.1	87.1	87.1	87.1
≥ 2000		59.2	68.3	75.8	82.5	85.1	88.3	90.1	90.4	91.1	91.6	91.6	91.8	91.8	91.8	91.9
≥ 1800		59.6	68.7	76.4	83.2	86.0	89.5	91.2	91.5	92.2	92.8	92.8	92.9	93.0	93.0	93.0
≥ 1500		60.3	69.7	77.6	84.6	87.8	91.4	93.1	93.3	94.2	94.7	94.7	94.8	95.0	95.1	95.2
≥ 1200		60.7	70.5	78.6	86.3	89.9	93.8	95.3	95.8	96.5	97.2	97.2	97.3	97.5	97.6	97.6
≥ 1000		60.9	70.7	78.9	86.7	89.6	93.4	95.2	95.5	96.6	97.2	97.2	97.3	97.5	97.6	97.7
≥ 900		60.9	70.7	78.9	86.8	89.6	93.5	95.2	95.6	96.6	97.2	97.3	97.5	97.6	97.6	97.7
≥ 800		60.9	70.8	79.1	87.0	89.8	93.8	95.7	96.0	97.1	97.7	97.8	98.0	98.1	98.1	98.2
≥ 700		60.9	70.8	79.1	87.0	89.8	93.8	95.7	96.1	97.2	97.8	97.9	98.1	98.2	98.3	98.4
≥ 600		60.9	70.8	79.1	87.0	89.8	93.8	95.7	96.1	97.2	97.8	97.9	98.1	98.2	98.3	98.4
≥ 500		60.9	70.8	79.1	87.0	89.8	93.8	95.7	96.2	97.4	98.1	98.2	98.6	98.8	98.8	98.9
≥ 400		60.9	70.8	79.1	87.0	89.8	93.8	95.7	96.3	97.6	98.4	98.5	98.9	99.1	99.1	99.2
≥ 300		60.9	70.8	79.1	87.0	89.8	93.8	95.7	96.4	97.7	98.5	98.5	99.0	99.2	99.3	99.4
≥ 200		60.9	70.8	79.1	87.0	89.8	93.8	95.7	96.4	97.7	98.5	98.6	99.0	99.3	99.4	99.7
≥ 100		60.9	70.8	79.1	87.0	89.8	93.8	95.7	96.4	97.7	98.5	98.6	99.0	99.3	99.4	99.7
≥ 0		60.9	70.8	79.1	87.0	89.8	93.8	95.7	96.4	97.7	98.5	98.6	99.0	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2322

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/14C

# CEILING VERSUS VISIBILITY

35010 IESSBADEN AB GERMANY

46-70

28

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

000-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.5	≥.5	≥.5/16	≥.5	≥0
NO CEILING		28.3	32.2	35.1	37.6	39.3	41.8	42.8	43.1	43.6	44.1	44.1	44.3	44.4	44.4	44.6
≥ 20000		29.0	33.1	36.2	38.8	40.6	43.2	44.1	44.6	45.2	45.6	45.7	45.8	45.9	46.0	46.2
IV 18000		29.1	32.2	35.3	39.0	40.7	43.4	44.3	44.8	45.3	45.8	45.8	46.0	46.1	46.1	46.3
IV 16000		29.1	33.2	36.4	39.0	40.7	43.4	44.3	44.8	45.3	45.8	45.8	46.0	46.1	46.2	46.3
IV 14000		29.3	33.4	36.6	39.3	41.0	43.7	44.6	45.2	45.7	46.2	46.2	46.4	46.5	46.5	46.7
IV 12000		29.6	33.8	37.2	39.9	41.7	44.4	45.3	45.8	46.4	46.9	46.9	47.1	47.2	47.2	47.4
IV 10000		31.0	35.4	39.0	41.9	43.7	46.4	47.3	47.8	48.4	48.9	48.9	49.1	49.2	49.2	49.4
IV 9000		31.7	36.1	40.0	43.1	44.9	47.8	49.0	49.3	50.1	50.5	50.7	50.8	50.9	51.0	51.1
IV 8000		33.2	38.0	42.2	45.7	47.6	50.8	52.2	52.8	53.4	53.9	53.9	54.1	54.2	54.2	54.4
IV 7000		34.8	40.0	44.5	48.2	50.3	53.5	54.9	55.6	56.3	57.0	57.0	57.2	57.3	57.4	57.5
IV 6000		36.9	42.3	46.9	50.8	52.9	56.2	57.6	58.3	59.0	59.7	59.7	60.0	60.1	60.1	60.3
IV 5000		38.8	43.9	48.9	53.1	55.3	58.5	60.2	60.9	61.7	62.4	62.5	62.8	62.8	62.9	63.1
IV 4500		39.9	46.0	51.6	56.1	58.7	62.2	63.7	64.3	65.3	66.0	66.1	66.3	66.4	66.5	66.6
IV 4000		42.2	48.7	54.6	59.4	62.1	65.8	67.2	68.0	68.9	69.5	69.7	69.9	70.1	70.1	70.3
IV 3500		44.4	51.5	57.6	62.6	65.4	69.1	70.6	71.4	72.3	73.0	73.1	73.4	73.5	73.6	73.8
IV 3000		46.6	53.9	60.4	66.1	68.9	72.8	74.4	75.2	76.2	77.0	77.2	77.5	77.7	77.7	77.9
IV 2500		49.6	57.5	64.7	70.8	73.6	77.6	79.3	80.1	81.0	81.9	82.1	82.3	82.6	82.7	82.8
IV 2000		53.2	61.4	69.3	75.9	78.8	82.9	84.6	85.5	86.4	87.4	87.5	87.9	88.0	88.1	88.3
IV 1800		53.9	62.2	70.4	77.4	80.3	84.5	86.2	87.1	88.0	89.0	89.1	89.3	89.6	89.7	89.9
IV 1500		55.2	63.9	72.8	80.3	83.3	87.7	89.3	90.3	91.6	92.6	92.7	93.1	93.2	93.3	93.6
IV 1200		55.5	64.5	73.5	81.3	84.6	89.3	91.3	92.3	93.4	94.5	94.6	95.0	95.1	95.2	95.5
IV 1000		55.8	64.9	74.1	82.3	85.5	90.3	92.3	93.3	94.5	95.7	95.9	96.3	96.3	96.6	96.9
IV 900		55.9	65.0	74.2	82.5	85.7	90.5	92.5	93.5	94.7	95.9	96.0	96.3	96.6	96.7	97.0
IV 800		55.9	65.0	74.2	82.7	85.8	90.7	92.8	93.8	95.0	96.2	96.4	96.9	97.1	97.2	97.5
IV 700		55.9	65.0	74.2	82.7	85.8	90.8	92.9	93.9	95.1	96.3	96.6	97.1	97.2	97.3	97.6
IV 600		55.9	65.1	74.3	82.8	85.9	91.0	93.2	94.2	95.3	96.7	97.0	97.5	97.6	97.7	98.1
IV 500		55.9	65.1	74.3	82.8	85.9	91.0	93.3	94.3	95.9	97.2	97.6	98.2	98.3	98.5	98.5
IV 400		55.9	65.1	74.3	82.8	85.9	91.0	93.3	94.3	95.9	97.2	97.6	98.2	98.3	98.5	98.5
IV 300		55.9	65.1	74.3	82.8	85.9	91.0	93.3	94.3	95.9	97.2	97.6	98.2	98.3	98.5	98.5
IV 200		55.9	65.1	74.3	82.8	85.9	91.0	93.3	94.3	95.9	97.2	97.6	98.2	98.3	98.5	98.5
IV 100		55.9	65.1	74.3	82.8	85.9	91.0	93.3	94.3	95.9	97.2	97.6	98.2	98.3	98.5	98.5
IV 0		55.9	65.1	74.3	82.8	85.9	91.0	93.3	94.3	95.9	97.2	97.6	98.2	98.3	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

AR  
USAF

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	1¼	≥1	¾	½	¼	1/8	≥5/16	≥1
NO CEILING		19.6	23.1	25.7	27.6	29.2	31.3	32.4	32.8	33.4	34.0	34.3	34.7	35.0	35.3	35.3
≥ 20000		21.9	25.7	28.6	30.7	32.5	35.0	36.2	36.7	37.5	38.2	38.5	38.9	39.2	39.2	39.5
≥ 18000		22.1	25.9	28.8	31.0	32.7	35.3	36.5	37.0	37.8	38.5	38.8	39.2	39.5	39.5	39.8
≥ 16000		22.1	25.9	28.8	31.0	32.7	35.3	36.5	37.0	37.8	38.5	38.8	39.2	39.5	39.5	39.8
≥ 14000		22.3	26.1	29.0	31.2	33.0	35.6	36.9	37.4	38.3	39.0	39.2	39.7	40.0	40.0	40.3
≥ 12000		22.5	26.5	29.5	31.8	33.6	36.2	37.5	38.0	38.9	39.7	40.0	40.4	40.7	40.7	41.1
≥ 10000		23.7	27.7	30.9	33.5	35.4	38.0	39.4	39.8	40.9	41.7	42.0	42.5	42.9	42.9	43.2
≥ 9000		24.4	28.5	32.0	34.7	36.7	39.3	40.8	41.4	42.5	43.4	43.7	44.1	44.5	44.5	44.8
≥ 8000		25.9	30.5	34.1	37.0	39.2	42.2	43.9	44.5	45.7	46.7	47.0	47.5	47.9	47.9	48.3
≥ 7000		27.2	32.1	36.1	39.4	41.8	45.2	47.0	47.6	49.0	50.2	50.5	51.0	51.3	51.3	51.6
≥ 6000		28.2	33.2	37.6	41.0	43.6	47.2	49.1	49.8	51.3	52.5	52.8	53.4	53.7	53.7	54.2
≥ 5000		29.9	35.2	40.0	43.9	46.7	50.4	52.3	53.3	55.0	56.3	56.7	57.2	57.5	57.5	58.0
≥ 4500		30.8	36.4	41.4	45.5	48.5	52.2	54.5	55.3	57.1	58.5	58.8	59.3	59.7	59.7	60.2
≥ 4000		32.4	38.4	43.7	48.0	51.3	55.1	57.5	58.4	60.3	61.7	62.0	62.7	63.0	63.0	63.5
≥ 3500		34.3	40.7	45.6	51.2	54.6	58.5	61.1	62.0	63.9	65.3	65.6	66.3	66.6	66.6	67.1
≥ 3000		36.8	43.9	50.4	55.7	59.2	63.4	66.2	67.2	69.3	70.8	71.2	71.8	72.2	72.2	72.7
≥ 2500		39.2	47.1	54.3	60.3	63.9	68.2	71.3	72.4	74.8	76.4	76.7	77.4	77.7	77.8	78.3
≥ 2000		42.1	50.9	59.1	66.2	70.0	74.9	78.3	79.6	82.1	83.7	84.0	84.7	85.1	85.1	85.6
≥ 1800		42.5	51.5	60.0	67.3	71.2	76.3	79.7	81.2	83.6	85.3	85.6	86.3	86.7	86.7	87.2
≥ 1500		43.8	53.3	62.2	70.0	74.1	79.6	83.2	84.8	87.4	89.2	89.6	90.3	90.6	90.7	91.2
≥ 1200		47.1	56.7	65.8	73.9	78.2	83.9	87.7	89.5	91.1	91.0	91.9	92.2	92.6	92.6	93.1
≥ 1000		48.1	58.0	67.3	75.7	79.9	85.6	89.4	91.2	92.8	92.9	93.4	94.1	94.5	94.6	95.1
≥ 900		48.1	58.0	67.3	75.7	79.9	85.6	89.4	91.2	92.8	92.9	93.4	94.1	94.5	94.6	95.1
≥ 800		48.1	58.0	67.3	75.7	79.9	85.6	89.4	91.2	92.8	92.9	93.4	94.1	94.5	94.6	95.1
≥ 700		44.4	54.0	63.3	71.7	76.2	82.3	86.7	88.9	91.7	94.0	94.5	95.3	95.7	95.8	96.3
≥ 600		44.4	54.0	63.3	71.7	76.2	82.3	86.7	88.9	91.7	94.0	94.5	95.3	95.7	95.8	96.3
≥ 500		44.4	54.0	63.3	71.7	76.2	82.3	86.7	88.9	91.7	94.0	94.5	95.3	95.7	95.8	96.3
≥ 400		44.4	54.0	63.3	71.7	76.2	82.3	86.7	88.9	91.7	94.0	94.5	95.3	95.7	95.8	96.3
≥ 300		44.4	54.0	63.3	71.7	76.2	82.3	86.7	88.9	91.7	94.0	94.5	95.3	95.7	95.8	96.3
≥ 200		44.4	54.0	63.3	71.7	76.2	82.3	86.7	88.9	91.7	94.0	94.5	95.3	95.7	95.8	96.3
≥ 100		44.4	54.0	63.3	71.7	76.2	82.3	86.7	88.9	91.7	94.0	94.5	95.3	95.7	95.8	96.3
≥ 0		44.4	54.0	63.3	71.7	76.2	82.3	86.7	88.9	91.7	94.0	94.5	95.3	95.7	95.8	96.3

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010  
STATION

\*IESEBADEN AB GERMANY  
STATION NAME

46-72  
YEARS

548  
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING ≥ 20000		15.5	17.7	21.1	23.7	24.8	26.9	28.7	29.5	30.8	32.0	32.3	32.5	32.7	32.7	33.0
≥ 18000		18.5	21.8	25.7	28.8	30.1	32.5	34.8	35.6	37.2	38.6	38.9	39.1	39.4	39.4	39.7
IV 16000		18.7	22.1	26.0	29.1	30.5	32.9	35.3	36.0	37.6	39.0	39.3	39.5	39.8	39.8	40.1
IV 14000		19.1	22.5	26.4	29.5	30.9	33.3	35.8	36.6	38.2	39.6	39.9	40.2	40.5	40.5	40.9
IV 12000		19.6	23.1	27.1	30.3	31.7	34.3	36.9	37.7	39.3	40.7	41.0	41.2	41.7	41.7	42.0
IV 10000		20.4	24.1	28.5	32.3	33.7	36.6	39.2	40.0	41.7	43.2	43.5	43.7	44.2	44.2	44.6
IV 9000		20.8	24.6	29.1	32.9	34.5	37.5	40.1	41.1	42.9	44.4	44.7	45.0	45.5	45.5	45.8
IV 8000		21.7	25.8	30.3	34.5	36.2	39.7	42.5	43.6	45.3	47.1	47.4	47.7	48.2	48.2	48.5
IV 7000		22.5	27.0	32.0	36.2	38.0	41.7	44.9	46.1	47.9	49.7	50.0	50.3	50.8	50.8	51.1
IV 6000		23.2	27.9	33.2	37.3	39.4	43.4	46.8	48.1	50.0	51.8	52.2	52.4	52.9	52.9	53.3
IV 5000		24.1	28.9	34.5	39.3	41.4	45.6	49.2	50.5	52.6	54.7	55.1	55.4	56.0	56.0	56.3
IV 4500		24.8	29.7	35.5	40.3	42.7	47.1	50.8	52.2	54.3	56.4	56.8	57.1	57.6	57.6	58.0
IV 4000		25.9	31.2	37.4	42.7	45.2	50.0	53.8	55.2	57.4	59.7	60.0	60.3	60.9	60.9	61.2
IV 3500		28.1	33.7	40.8	46.1	49.1	54.0	57.9	59.4	61.7	63.9	64.3	64.6	65.2	65.2	65.5
IV 3000		32.0	38.2	45.5	51.6	54.6	59.8	63.9	65.4	68.0	70.4	70.8	71.1	71.7	71.7	72.1
IV 2500		36.0	42.8	51.1	58.0	61.0	66.6	70.8	72.4	75.0	77.4	77.8	78.2	78.8	78.8	79.2
IV 2000		38.6	45.9	55.4	63.1	66.4	72.3	76.6	78.3	81.0	83.4	83.8	84.2	84.8	84.8	85.2
IV 1800		39.0	46.4	56.2	64.0	67.6	73.7	78.0	79.8	82.6	85.0	85.4	85.8	86.4	86.4	86.8
IV 1500		39.7	47.6	57.8	66.4	70.4	77.0	81.7	83.6	86.5	89.0	89.4	89.8	90.5	90.5	90.9
IV 1200		39.9	47.8	58.3	67.1	71.3	78.2	83.1	85.2	88.2	90.9	91.3	91.7	92.5	92.5	92.9
IV 1000		40.2	48.4	59.3	68.2	72.5	79.8	84.9	87.1	90.2	92.9	93.3	93.8	94.5	94.5	95.0
IV 900		40.2	48.4	59.3	68.2	72.5	79.8	84.9	87.1	90.2	92.9	93.3	93.8	94.5	94.5	95.0
IV 800		40.2	48.4	59.3	68.2	72.5	79.8	84.9	87.1	90.2	92.9	93.3	93.8	94.5	94.5	95.0
IV 700		40.3	48.5	59.4	68.3	72.6	80.3	85.6	88.0	91.2	94.4	94.8	95.1	95.8	95.8	96.1
IV 600		40.3	48.5	59.4	68.3	72.6	80.3	85.7	88.0	91.3	94.5	94.9	95.2	96.0	96.0	96.3
IV 500		40.3	48.5	59.4	68.3	72.6	80.3	85.7	88.0	91.4	94.6	95.0	95.3	96.1	96.1	96.4
IV 400		40.3	48.5	59.4	68.3	72.6	80.3	85.7	88.0	91.4	94.6	95.0	95.3	96.1	96.1	96.4
IV 300		40.3	48.5	59.4	68.3	72.6	80.3	85.7	88.0	91.4	94.6	95.0	95.3	96.1	96.1	96.4
IV 200		40.3	48.5	59.4	68.3	72.6	80.3	85.7	88.0	91.4	94.6	95.0	95.3	96.1	96.1	96.4
IV 100		40.3	48.5	59.4	68.3	72.6	80.3	85.7	88.0	91.4	94.6	95.0	95.3	96.1	96.1	96.4
IV 0		40.3	48.5	59.4	68.3	72.6	80.3	85.7	88.0	91.4	94.6	95.0	95.3	96.1	96.1	96.4

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

010 RIESBADEN AB GERMANY

40-70

YEARS

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS U.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 4	≥ 0
NO CEILING		17.3	20.5	24.1	26.3	27.6	28.6	29.7	30.3	30.5	31.1	31.3	31.3	31.4	31.4	31.5
IV 20000		21.5	25.3	30.0	32.5	34.2	35.7	37.2	38.0	38.3	38.8	39.0	39.1	39.1	39.1	39.2
IV 18000		21.7	25.6	30.4	32.9	34.8	36.2	37.7	38.4	38.7	39.2	39.4	39.5	39.6	39.6	39.7
IV 16000		21.7	25.6	30.4	32.0	34.8	36.2	37.8	38.5	38.8	39.3	39.5	39.6	39.7	39.7	39.7
IV 14000		21.8	25.9	30.8	33.4	35.2	36.7	38.2	38.9	39.2	39.7	40.0	40.0	40.1	40.1	40.2
IV 12000		22.5	26.6	31.7	34.4	36.3	37.7	39.1	40.0	40.3	40.9	41.1	41.2	41.3	41.3	41.4
IV 10000		23.8	28.0	33.3	36.4	38.5	40.0	41.8	42.6	43.0	43.5	43.7	43.8	43.9	43.9	44.0
IV 9000		24.3	28.6	34.0	37.1	39.2	40.9	42.8	43.7	44.1	44.6	44.9	44.9	45.0	45.0	45.2
IV 8000		25.6	30.0	35.9	39.1	41.2	43.1	45.2	46.1	46.5	47.3	47.5	47.6	47.7	47.7	47.8
IV 7000		26.8	31.4	37.5	40.7	43.0	44.9	47.1	48.0	48.6	49.4	49.6	49.7	49.8	49.8	49.9
IV 6000		27.5	32.3	38.8	42.2	44.5	46.7	49.0	49.9	50.6	51.4	51.7	51.8	51.9	51.9	52.0
IV 5000		28.7	33.5	40.5	44.1	46.5	48.8	51.2	52.1	52.9	53.8	54.1	54.2	54.2	54.2	54.4
IV 4500		30.2	35.3	42.7	46.4	49.0	51.4	53.8	56.8	55.5	56.5	56.7	56.8	56.9	56.9	57.0
IV 4000		33.6	39.1	46.8	50.7	53.3	55.8	58.3	59.6	60.1	61.1	61.4	61.5	61.5	61.5	61.7
IV 3500		37.7	43.7	51.8	56.0	58.6	61.2	63.8	64.9	65.6	66.6	66.7	67.0	67.1	67.1	67.2
IV 3000		43.1	49.0	58.5	62.8	65.6	68.3	71.0	72.0	72.9	74.0	74.3	74.5	74.5	74.5	74.7
IV 2500		48.3	55.5	64.9	69.5	72.6	75.5	78.3	79.4	80.3	81.5	81.8	82.0	82.1	82.1	82.2
IV 2000		51.1	58.9	69.7	75.5	78.8	82.0	84.9	85.9	87.1	88.3	88.6	88.8	88.9	88.9	89.0
IV 1800		51.5	59.8	70.8	76.9	80.2	83.6	86.6	87.7	88.9	90.1	90.5	90.7	90.8	90.8	90.9
IV 1500		52.2	60.3	72.2	78.7	82.3	86.2	89.4	90.5	91.7	92.9	93.2	93.3	93.6	93.6	93.8
IV 1200		52.4	61.2	72.6	79.4	83.3	87.4	90.7	91.9	93.4	94.7	95.1	95.3	95.4	95.4	95.6
IV 1000		52.8	61.6	73.2	80.3	84.1	88.3	91.8	92.9	94.4	95.7	96.3	96.5	96.6	96.6	96.8
IV 900		52.8	61.6	73.2	80.3	84.1	88.4	91.7	93.0	94.6	95.9	96.5	96.7	96.8	96.8	97.0
IV 800		52.8	61.6	73.3	80.3	84.5	89.0	92.4	93.7	95.4	96.6	97.2	97.5	97.6	97.6	97.8
IV 700		52.8	61.6	73.3	80.6	84.6	89.2	92.7	94.1	95.7	97.0	97.8	98.0	98.2	98.2	98.4
IV 600		52.8	61.6	73.3	80.6	84.6	89.2	92.8	94.2	95.8	97.2	98.1	98.5	98.6	98.6	98.8
IV 500		52.8	61.6	73.3	80.6	84.6	89.2	92.8	94.2	95.8	97.3	98.2	98.7	98.9	98.9	99.2
IV 400		52.8	61.6	73.3	80.6	84.6	89.2	92.8	94.2	95.9	97.4	98.3	98.9	99.1	99.2	99.5
IV 300		52.8	61.6	73.3	80.6	84.6	89.2	92.8	94.2	95.9	97.4	98.5	99.2	99.5	99.6	99.8
IV 200		52.8	61.6	73.3	80.6	84.6	89.2	92.8	94.2	95.9	97.4	98.5	99.2	99.5	99.6	99.9
IV 100		52.8	61.6	73.3	80.6	84.6	89.2	92.8	94.2	95.9	97.4	98.5	99.2	99.5	99.6	99.9
IV 0		52.8	61.6	73.3	80.6	84.6	89.2	92.8	94.2	95.9	97.4	98.5	99.2	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 25

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

AR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.10	≥0.05	≥0.025	≥0.01
NO CEILING	23.7	26.2	28.9	31.1	32.0	32.6	33.0	33.1	33.5	33.8	33.8	33.9	33.9	33.9	33.9	33.9
IV 20000	29.3	32.6	36.1	38.9	39.9	41.1	41.5	41.6	42.1	42.4	42.4	42.5	42.5	42.5	42.5	42.5
IV 18000	29.7	33.2	36.7	39.5	40.5	41.7	42.2	42.2	42.7	43.0	43.0	43.1	43.1	43.1	43.1	43.1
IV 16000	29.8	33.2	36.7	39.5	40.5	41.8	42.2	42.3	42.7	43.1	43.1	43.1	43.2	43.2	43.2	43.2
IV 14000	30.1	33.5	37.1	39.9	40.9	42.2	42.6	42.7	43.1	43.5	43.5	43.6	43.6	43.6	43.6	43.6
IV 12000	30.8	34.4	38.0	40.9	41.9	43.3	43.7	43.8	44.3	44.6	44.6	44.7	44.7	44.7	44.7	44.7
IV 10000	32.8	36.6	40.3	43.0	44.0	46.2	46.6	46.7	47.1	47.5	47.5	47.6	47.6	47.6	47.6	47.6
IV 9000	34.0	37.8	41.5	44.9	45.9	47.6	48.0	48.1	48.6	48.9	48.9	49.0	49.0	49.0	49.0	49.0
IV 8000	35.9	39.8	43.7	47.3	48.3	50.2	50.6	50.8	51.4	51.7	51.7	51.8	51.9	51.9	51.9	51.9
IV 7000	37.5	41.6	45.6	49.3	50.7	52.5	53.0	53.1	53.8	54.2	54.2	54.3	54.3	54.3	54.3	54.3
IV 6000	39.1	43.3	47.7	51.5	52.9	54.8	55.3	55.6	56.4	56.7	56.7	56.8	56.9	56.9	56.9	56.9
IV 5000	41.7	46.3	50.7	54.7	56.2	58.2	59.0	59.1	59.9	60.3	60.3	60.3	60.4	60.4	60.4	60.4
IV 4500	44.6	49.5	54.2	58.6	60.0	62.2	63.1	63.2	64.0	64.3	64.3	64.4	64.5	64.5	64.5	64.5
IV 4000	49.4	54.5	59.4	64.0	65.5	67.7	68.6	68.8	69.6	70.0	70.0	70.1	70.2	70.2	70.2	70.2
IV 3500	54.0	59.3	64.7	69.5	71.1	73.5	74.4	74.6	75.4	75.9	75.9	76.0	76.0	76.0	76.0	76.0
IV 3000	57.4	63.2	69.0	72.9	75.6	78.1	79.0	79.2	80.0	80.6	80.6	80.7	80.7	80.7	80.7	80.7
IV 2500	60.9	67.4	73.8	79.2	81.1	83.8	84.7	84.9	85.9	86.5	86.5	86.6	86.6	86.6	86.6	86.6
IV 2000	63.4	70.8	78.3	84.4	86.6	89.6	90.6	90.9	91.9	92.5	92.5	92.6	92.6	92.6	92.6	92.6
IV 1800	63.7	71.2	79.0	85.3	87.5	90.7	91.6	92.1	93.2	93.8	93.8	93.8	93.9	93.9	93.9	93.9
IV 1500	64.3	72.1	80.0	86.5	88.8	92.3	93.3	93.8	95.0	95.6	95.6	95.7	95.8	95.8	95.8	95.8
IV 1200	64.3	72.3	80.4	87.0	89.4	93.0	94.4	94.7	96.1	96.8	96.8	96.9	97.1	97.2	97.2	97.2
IV 1000	64.7	72.6	80.9	87.7	90.0	93.6	95.2	95.5	97.0	97.8	97.8	97.9	98.1	98.2	98.2	98.2
IV 900	64.7	72.6	80.9	87.7	90.1	93.7	95.3	95.6	97.2	98.0	98.0	98.1	98.3	98.4	98.4	98.4
IV 800	64.7	72.6	80.9	87.9	90.2	93.9	95.5	95.8	97.3	98.4	98.4	98.5	98.7	98.8	98.8	98.8
IV 700	64.7	72.6	80.9	87.9	90.4	94.0	95.7	96.0	97.6	98.7	98.7	98.8	99.1	99.2	99.2	99.2
IV 600	64.7	72.6	80.9	87.9	90.4	94.1	95.7	96.0	97.8	98.9	98.9	99.1	99.4	99.5	99.5	99.5
IV 500	64.7	72.6	80.9	88.0	90.4	94.2	95.8	96.2	97.9	99.1	99.1	99.3	99.6	99.7	99.7	99.7
IV 400	64.7	72.6	80.9	88.0	90.4	94.2	95.8	96.2	97.9	99.2	99.2	99.4	99.7	99.8	99.8	99.8
IV 300	64.7	72.6	80.9	88.0	90.4	94.2	95.8	96.2	97.9	99.2	99.2	99.4	99.7	99.8	99.8	99.8
IV 200	64.7	72.6	80.9	88.0	90.4	94.2	95.8	96.2	97.9	99.2	99.2	99.4	99.7	99.8	99.8	99.8
IV 100	64.7	72.6	80.9	88.0	90.4	94.2	95.8	96.2	97.9	99.2	99.2	99.4	99.7	99.8	99.8	99.8
IV 0	64.7	72.6	80.9	88.0	90.4	94.2	95.8	96.2	97.9	99.2	99.2	99.4	99.7	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2525



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
LOCAL TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥¼
NO CEILING ≥ 20000		27.8 33.5	31.1 37.4	33.9 40.8	35.7 43.0	36.8 44.2	37.3 45.1	37.8 45.6	37.8 45.7	38.2 46.0	38.4 46.2	38.5 46.3	38.5 46.3	38.6 46.5	38.6 46.5
IV 18000 16000		33.8 33.8	37.9 37.9	41.2 41.2	43.4 43.4	44.7 44.7	45.6 45.6	46.1 46.1	46.2 46.2	46.5 46.5	46.8 46.8	46.8 46.8	47.0 47.1	47.1 47.1	47.1 47.1
IV 14000 12000		34.4 35.2	38.4 39.3	41.8 42.8	44.0 45.0	45.3 46.3	46.2 47.2	46.7 47.7	46.8 47.9	47.1 48.2	47.4 48.4	47.4 48.4	47.6 48.6	47.7 48.9	47.7 48.9
IV 10000 9000		36.9 37.5	41.2 42.0	45.0 45.9	47.3 48.4	48.7 49.8	49.8 51.0	50.4 51.6	50.5 51.7	50.8 52.0	51.2 52.4	51.3 52.5	51.4 52.6	51.5 52.9	51.5 52.9
IV 8000 7000		39.8 41.7	44.9 47.0	49.3 51.6	52.1 54.7	53.7 56.3	55.0 57.5	55.8 58.4	56.0 58.7	56.4 59.1	56.8 59.4	56.9 59.6	57.0 59.7	57.1 59.8	57.1 59.8
IV 6000 5000		43.7 47.6	49.4 53.8	54.3 59.1	57.5 62.3	59.2 64.3	60.6 65.8	61.4 66.6	61.7 67.0	62.2 67.4	62.5 67.8	62.7 67.9	62.8 68.0	62.9 68.2	62.9 68.2
IV 4500 4000		49.9 52.6	56.3 59.1	61.6 65.1	65.5 69.1	67.4 71.1	69.0 72.8	69.9 73.8	70.3 74.2	70.7 74.8	71.1 75.1	71.2 75.3	71.4 75.5	71.5 75.6	71.5 75.6
IV 3500 3000		55.1 57.4	62.0 64.9	68.6 71.3	73.2 77.0	75.4 79.4	77.4 81.3	78.5 82.7	78.9 83.1	79.4 83.6	79.8 84.0	80.0 84.2	80.2 84.4	80.3 84.6	80.3 84.6
IV 2500 2000		59.2 61.3	67.4 70.4	74.6 78.3	80.2 84.5	82.7 87.1	85.0 89.8	86.5 91.4	87.0 91.9	87.5 92.6	88.0 93.2	88.3 93.4	88.5 93.6	88.6 93.8	88.6 93.8
IV 1800 1500		61.9 62.4	70.8 71.5	78.9 80.1	85.3 87.0	88.0 89.8	90.8 92.7	92.5 94.4	93.0 94.9	93.7 95.7	94.3 96.2	94.5 96.4	94.8 96.6	94.9 96.7	94.9 96.7
IV 1200 1000		62.5 62.6	71.8 72.0	80.6 80.8	87.6 88.1	90.5 91.0	93.4 93.9	95.1 95.7	95.8 96.4	96.6 97.2	97.2 97.9	97.4 98.3	97.6 98.5	97.8 98.8	97.8 98.8
IV 900 800		62.6 62.6	72.0 72.0	80.8 80.8	88.1 88.2	91.1 91.1	94.0 94.2	95.9 96.1	96.5 96.7	97.4 97.6	98.1 98.3	98.5 98.9	98.8 99.2	98.9 99.4	98.9 99.4
IV 700 600		62.6 62.6	72.0 72.0	80.8 80.8	88.3 88.3	91.2 91.3	94.4 94.5	96.2 96.3	96.9 96.9	97.8 97.8	98.6 98.8	99.1 99.3	99.4 99.6	99.7 99.7	99.8 99.8
IV 500 400		62.6 62.6	72.0 72.0	80.8 80.8	88.3 88.3	91.3 91.3	94.5 94.5	96.3 96.3	97.0 97.0	97.9 97.9	98.8 98.8	99.3 99.3	99.7 99.7	99.8 99.8	99.9 99.9
IV 300 200		62.6 62.6	72.0 72.0	80.8 80.8	88.3 88.3	91.3 91.3	94.5 94.5	96.3 96.3	97.0 97.0	97.9 97.9	98.8 98.8	99.3 99.3	99.7 99.7	99.8 99.8	99.9 99.9
IV 100 0		62.6 62.6	72.0 72.0	80.8 80.8	88.3 88.3	91.3 91.3	94.5 94.5	96.3 96.3	97.0 97.0	97.9 97.9	98.8 98.8	99.3 99.3	99.7 99.7	99.8 99.8	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 2325



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

33010  
STATION

RIESBADEN AB GERMANY  
STATION NAME

46-70  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5-16	≥ 0
NO CEILING		32.9	36.9	39.8	42.2	43.1	44.4	44.8	44.9	45.1	45.2	45.2	45.2	45.2	45.2	45.3
IV 20000		35.8	40.1	42.3	46.0	47.0	48.4	48.9	49.0	49.2	49.2	49.3	49.3	49.3	49.3	49.4
IV 18000		35.9	40.1	43.4	46.0	47.1	48.4	49.0	49.1	49.3	49.4	49.4	49.4	49.4	49.4	49.4
IV 16000		35.9	40.1	43.3	46.1	47.2	48.6	49.2	49.2	49.4	49.5	49.5	49.5	49.6	49.6	49.6
IV 14000		36.1	40.4	43.7	46.4	47.4	48.8	49.4	49.5	49.7	49.8	49.8	49.8	49.8	49.8	49.9
IV 12000		37.0	41.3	44.7	47.4	48.4	49.9	50.6	50.6	50.8	51.0	51.0	51.0	51.1	51.1	51.1
IV 10000		38.3	42.8	46.0	49.4	50.6	52.2	52.9	53.0	53.3	53.5	53.5	53.5	53.6	53.6	53.6
IV 9000		39.1	43.8	47.8	50.8	51.9	53.5	54.3	54.6	54.7	55.0	55.0	55.0	55.0	55.0	55.0
IV 8000		42.1	47.0	51.3	54.8	56.1	57.8	58.8	58.9	59.2	59.5	59.5	59.6	59.7	59.7	59.7
IV 7000		44.2	49.1	53.7	57.1	58.6	60.4	61.4	61.5	61.8	62.1	62.1	62.2	62.3	62.3	62.3
IV 6000		47.1	52.4	57.2	61.0	62.4	64.3	65.2	65.3	65.7	65.9	65.9	66.1	66.1	66.1	66.2
IV 5000		50.3	56.4	61.8	65.7	67.2	69.1	70.1	70.2	70.5	70.8	70.8	71.0	71.0	71.0	71.1
IV 4500		52.8	59.1	64.8	69.0	70.7	72.7	73.8	73.9	74.3	74.5	74.5	74.7	74.8	74.8	74.8
IV 4000		55.2	61.8	67.3	72.2	74.0	76.0	77.0	77.3	77.6	77.9	77.9	78.0	78.1	78.1	78.1
IV 3500		57.3	64.2	70.6	75.5	77.2	79.3	80.4	80.6	81.0	81.3	81.3	81.4	81.5	81.5	81.5
IV 3000		59.6	67.2	74.1	79.5	81.4	83.8	84.8	85.1	85.5	85.7	85.7	85.9	86.0	86.0	86.0
IV 2500		62.0	69.9	77.5	83.0	85.0	87.5	88.8	89.1	89.4	89.8	89.8	90.0	90.0	90.0	90.1
IV 2000		63.8	72.1	80.2	86.3	88.4	91.0	92.3	92.6	93.1	93.4	93.5	93.6	93.7	93.7	93.8
IV 1800		64.3	72.7	81.0	87.1	89.3	92.0	93.3	93.6	94.1	94.4	94.5	94.7	94.7	94.8	94.8
IV 1500		64.6	73.2	81.7	88.2	90.4	93.2	94.7	95.0	95.5	95.8	95.9	96.1	96.2	96.2	96.3
IV 1200		64.9	73.8	82.3	89.1	91.3	94.1	95.7	96.0	96.6	97.0	97.1	97.2	97.4	97.4	97.5
IV 1000		64.9	73.9	82.8	89.6	91.9	94.9	96.6	97.0	97.6	98.1	98.3	98.4	98.6	98.7	98.7
IV 900		64.9	73.9	82.8	89.6	91.9	94.9	96.6	97.0	97.6	98.2	98.3	98.5	98.8	98.8	98.8
IV 800		64.9	74.0	82.9	89.8	92.0	95.2	96.9	97.3	98.0	98.6	98.8	99.0	99.2	99.2	99.3
IV 700		64.9	74.0	82.9	89.8	92.1	95.3	97.0	97.4	98.1	98.8	99.0	99.2	99.4	99.4	99.5
IV 600		64.9	74.0	82.9	89.8	92.1	95.3	97.1	97.5	98.2	98.9	99.0	99.2	99.4	99.5	99.5
IV 500		64.9	74.0	82.9	89.8	92.2	95.4	97.2	97.8	98.4	99.1	99.2	99.4	99.7	99.7	99.8
IV 400		64.9	74.0	82.9	89.8	92.2	95.4	97.2	97.8	98.4	99.1	99.2	99.4	99.7	99.7	99.8
IV 300		64.9	74.0	82.9	89.8	92.2	95.4	97.2	97.8	98.4	99.1	99.2	99.4	99.7	99.7	99.8
IV 200		64.9	74.0	82.9	89.8	92.2	95.4	97.2	97.8	98.4	99.1	99.2	99.4	99.7	99.8	99.8
IV 100		64.9	74.0	82.9	89.8	92.2	95.4	97.2	97.8	98.4	99.1	99.2	99.4	99.7	99.8	99.8
IV 0		64.9	74.0	82.9	89.8	92.2	95.4	97.2	97.8	98.4	99.1	99.2	99.4	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2322

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 NIESBADEN AB GERMANY

46-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/5	≥ 1/10	≥ 0
NO CEILING		44.4	47.3	48.3	49.2	49.7	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.5	50.5	50.5
≥ 20000		47.8	51.1	52.2	53.6	54.1	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 18000		47.8	51.1	52.2	53.6	54.1	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 16000		47.8	51.1	52.3	53.6	54.1	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.1	55.1	55.1
IV 14000		48.0	52.3	52.4	53.8	54.3	55.0	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 12000		48.7	52.1	53.2	54.6	55.1	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 10000		50.9	54.5	56.0	57.9	58.2	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 9000		52.3	57.1	57.9	59.6	60.3	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 8000		55.0	59.0	61.3	63.4	64.1	64.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 7000		58.0	62.5	63.2	67.2	68.0	68.8	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 6000		61.6	66.4	69.5	71.8	72.6	73.6	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 5000		64.9	70.1	73.7	76.1	75.9	76.0	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 4500		66.1	72.1	75.7	78.1	79.2	80.4	80.8	80.8	80.9	80.9	80.9	81.0	81.0	81.0	81.0
IV 4000		69.5	75.2	78.9	81.4	82.5	83.7	84.0	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.3
IV 3500		71.6	77.7	81.5	84.0	85.2	86.4	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3000		73.9	80.5	84.4	87.0	88.1	89.3	89.6	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2500		75.7	82.5	86.6	89.3	90.4	91.7	92.1	92.2	92.4	92.4	92.4	92.5	92.5	92.5	92.5
IV 2000		77.3	84.7	89.1	91.9	93.1	94.4	94.9	95.0	95.2	95.2	95.2	95.3	95.3	95.3	95.3
IV 1800		78.0	85.5	89.9	92.8	94.0	95.4	95.9	96.0	96.2	96.2	96.2	96.3	96.3	96.3	96.3
IV 1500		78.9	86.7	91.3	94.3	95.5	97.1	97.5	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0
IV 1200		79.2	87.2	91.9	95.0	96.2	97.8	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000		79.3	87.3	92.1	95.2	96.5	98.1	98.8	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3
IV 900		79.3	87.3	92.1	95.3	96.5	98.2	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5
IV 800		79.3	87.3	92.1	95.3	96.5	98.2	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5
IV 700		79.3	87.3	92.1	95.3	96.5	98.2	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5
IV 600		79.3	87.3	92.1	95.3	96.5	98.2	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5
IV 500		79.3	87.3	92.1	95.3	96.5	98.2	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5
IV 400		79.3	87.3	92.1	95.3	96.5	98.2	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5
IV 300		79.3	87.3	92.1	95.3	96.5	98.2	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5
IV 200		79.3	87.3	92.1	95.3	96.5	98.2	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5
IV 100		79.3	87.3	92.1	95.3	96.5	98.2	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5
IV 0		79.3	87.3	92.1	95.3	96.5	98.2	98.8	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

350:0 WIESBADEN AB GERMANY

46-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0200-0300

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5 16	≥¼	≥0
NO CEILING		38.1	41.0	42.8	44.0	44.4	45.2	45.6	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.9
IV 20000		41.0	44.4	46.4	47.9	48.6	49.6	50.1	50.3	50.4	50.4	50.4	50.4	50.5	50.5	50.5
IV 18000		41.1	44.5	46.5	48.0	48.7	49.7	50.2	50.4	50.4	50.5	50.5	50.6	50.6	50.6	50.6
IV 16000		41.2	44.6	46.6	48.0	48.8	49.8	50.3	50.5	50.5	50.6	50.6	50.7	50.7	50.7	50.7
IV 14000		41.4	44.8	46.8	48.3	49.0	50.0	50.5	50.7	50.8	50.8	50.8	50.9	50.9	50.9	50.9
IV 12000		42.1	45.6	47.6	49.2	49.9	51.0	51.5	51.7	51.7	51.8	51.8	51.9	51.9	51.9	51.9
IV 10000		43.9	47.5	50.1	51.9	52.8	54.0	54.5	54.7	54.8	54.8	54.8	54.9	54.9	54.9	54.9
IV 9000		45.6	49.4	52.5	54.5	55.4	56.8	57.3	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.7
IV 8000		47.7	52.1	55.6	57.9	58.8	60.4	60.9	61.1	61.2	61.3	61.3	61.4	61.4	61.4	61.4
IV 7000		50.1	54.9	58.8	61.3	62.3	63.9	64.5	64.7	64.8	64.9	64.9	65.0	65.0	65.0	65.0
IV 6000		52.8	57.9	62.2	65.3	66.3	68.0	68.6	68.9	69.0	69.1	69.1	69.2	69.2	69.2	69.2
IV 5000		56.6	62.1	67.0	70.0	71.1	72.8	73.6	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.4
IV 4500		58.6	64.3	69.4	72.5	73.6	75.5	76.2	76.7	76.8	76.9	76.9	77.0	77.0	77.0	77.0
IV 4000		60.6	66.4	71.8	75.0	76.3	78.3	79.0	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.9
IV 3500		62.7	68.6	74.0	77.2	78.5	80.5	81.3	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1
IV 3000		65.7	71.7	77.6	81.1	82.4	84.4	85.2	85.8	86.0	86.1	86.1	86.1	86.1	86.1	86.2
IV 2500		68.5	74.8	81.1	84.8	86.1	88.2	89.0	89.6	89.8	89.9	89.9	90.0	90.0	90.0	90.0
IV 2000		71.0	77.8	84.4	88.1	89.4	91.7	92.5	93.1	93.3	93.4	93.4	93.5	93.5	93.5	93.5
IV 1800		71.9	78.8	85.4	89.2	90.5	92.9	93.8	94.4	94.6	94.7	94.7	94.8	94.8	94.8	94.8
IV 1500		73.0	80.3	86.9	90.8	92.1	94.5	95.4	96.0	96.2	96.3	96.3	96.4	96.4	96.4	96.4
IV 1200		73.6	80.8	87.7	91.7	93.2	95.6	96.6	97.2	97.3	97.4	97.4	97.5	97.5	97.5	97.5
IV 1000		73.7	81.0	88.0	92.1	93.6	96.2	97.2	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900		73.7	81.1	88.1	92.2	93.7	96.3	97.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800		73.7	81.1	88.1	92.3	93.7	96.4	97.5	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700		73.7	81.1	88.1	92.3	93.8	96.4	97.5	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 600		73.7	81.1	88.2	92.4	93.9	96.6	97.7	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 500		73.7	81.1	88.2	92.4	93.9	96.6	97.8	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400		73.7	81.1	88.2	92.4	93.9	96.6	97.8	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300		73.7	81.1	88.2	92.4	94.0	96.7	97.8	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 200		73.7	81.1	88.2	92.4	94.0	96.7	97.8	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 100		73.7	81.1	88.2	92.4	94.0	96.7	97.8	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 0		73.7	81.1	88.2	92.4	94.0	96.7	97.8	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY  
STATION NAME

46-70

YEARS

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
LOCAL TIME

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING		25.2	27.7	30.8	32.1	33.3	34.1	34.5	34.6	34.5	35.0	35.0	35.1	35.2	35.2	35.2
≥ 20000		29.8	32.9	36.8	38.8	40.3	41.5	42.2	42.4	42.7	42.9	43.0	43.1	43.4	43.4	43.4
≥ 18000		30.4	33.4	37.4	39.4	40.9	42.0	42.8	43.0	43.3	43.5	43.6	43.7	43.9	43.9	44.0
≥ 16000		30.8	33.6	37.6	39.6	41.1	42.3	43.0	43.2	43.5	43.7	43.8	43.9	44.2	44.2	44.2
≥ 14000		31.1	34.3	38.3	40.4	41.9	43.1	43.9	44.0	44.4	44.6	44.7	44.8	45.1	45.1	45.1
≥ 12000		32.4	35.6	39.6	42.0	43.6	44.8	45.6	45.8	46.3	46.4	46.5	46.7	46.9	46.9	46.9
≥ 10000		34.2	37.8	42.1	44.4	46.2	47.6	48.4	48.7	49.2	49.5	49.6	49.7	49.9	49.9	50.0
≥ 9000		35.7	39.3	43.9	46.6	48.6	50.3	51.2	51.5	52.0	52.3	52.4	52.5	52.7	52.7	52.8
≥ 8000		38.1	42.2	47.5	50.6	52.8	54.9	56.2	56.8	57.4	57.7	57.7	57.9	58.1	58.1	58.1
≥ 7000		39.9	44.4	49.9	53.3	55.7	58.1	59.4	60.0	60.7	61.0	61.0	61.2	61.4	61.4	61.4
≥ 6000		42.0	46.6	52.4	55.9	58.4	61.0	62.4	63.1	63.8	64.1	64.2	64.4	64.6	64.6	64.7
≥ 5000		44.6	49.5	55.9	59.6	62.4	65.4	66.9	67.6	68.4	68.7	68.8	68.9	69.1	69.2	69.2
≥ 4500		46.3	51.4	58.1	62.2	65.0	68.1	69.6	70.4	71.1	71.3	71.6	71.7	72.0	72.0	72.0
≥ 4000		48.0	53.5	60.9	65.2	68.1	71.6	73.2	73.9	74.7	75.0	75.1	75.2	75.5	75.5	75.6
≥ 3500		49.4	55.1	62.8	67.3	70.4	74.0	75.7	76.5	77.2	77.6	77.7	77.8	78.0	78.1	78.1
≥ 3000		51.7	57.6	65.5	70.3	73.6	77.4	79.2	79.9	80.7	81.0	81.2	81.3	81.5	81.6	81.6
≥ 2500		54.7	61.0	69.4	74.8	78.0	82.1	83.9	84.7	85.5	85.8	86.0	86.1	86.3	86.4	86.4
≥ 2000		57.4	64.0	73.0	78.9	82.4	86.9	88.9	89.8	90.7	91.0	91.1	91.3	91.5	91.5	91.6
≥ 1800		58.3	65.1	74.2	80.2	83.7	88.3	90.3	91.2	92.1	92.3	92.5	92.7	93.0	93.0	93.1
≥ 1500		58.9	65.9	75.3	81.7	85.3	90.0	92.2	93.2	94.2	94.7	94.9	95.0	95.3	95.3	95.3
≥ 1200		59.1	66.2	75.6	82.1	85.8	90.7	93.0	94.1	95.2	95.6	95.9	96.0	96.3	96.3	96.3
≥ 1000		59.1	66.3	75.8	82.4	86.2	91.1	93.5	94.6	95.9	96.4	96.6	96.7	97.0	97.0	97.1
≥ 900		59.2	66.3	75.9	82.5	86.4	91.3	93.7	94.9	96.2	96.7	96.9	97.1	97.3	97.3	97.4
≥ 800		59.2	66.3	76.0	82.7	86.6	91.6	94.1	95.3	96.6	97.1	97.3	97.4	97.6	97.6	97.6
≥ 700		59.2	66.3	76.0	82.8	86.7	91.7	94.2	95.5	96.9	97.4	97.6	97.8	98.0	98.0	98.0
≥ 600		59.2	66.3	76.0	82.8	86.7	91.8	94.3	95.6	97.0	97.5	97.7	97.9	98.1	98.1	98.1
≥ 500		59.2	66.3	76.0	82.8	86.7	91.8	94.4	95.7	97.1	97.6	97.8	98.0	98.2	98.2	98.2
≥ 400		59.2	66.3	76.0	82.9	86.8	91.8	94.4	95.7	97.1	97.6	97.8	98.0	98.2	98.2	98.2
≥ 300		59.2	66.3	76.0	82.9	86.8	91.8	94.4	95.7	97.1	97.6	97.8	98.0	98.2	98.2	98.2
≥ 200		59.2	66.3	76.0	82.9	86.8	91.8	94.4	95.7	97.1	97.6	97.8	98.0	98.2	98.2	98.2
≥ 100		59.2	66.3	76.0	82.9	86.8	91.8	94.4	95.7	97.1	97.6	97.8	98.0	98.2	98.2	98.2
≥ 0		59.2	66.3	76.0	82.9	86.8	91.8	94.4	95.7	97.1	97.6	97.8	98.0	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 2246

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 ZIESEBACH AB GERMANY

49-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2500-1100

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.15	≥.1	≥0
NO CEILING ≥ 20000		23.1 27.0	26.2 30.7	29.6 33.3	31.7 36.2	32.9 40.0	33.5 40.7	34.1 41.5	34.3 41.9	34.5 42.2	34.7 42.4	34.7 42.4	34.7 42.5	34.7 42.5	34.7 42.5	34.7 42.6
IV 18000		27.3	31.0	35.7	38.7	40.3	41.2	41.9	42.4	42.7	42.9	42.9	43.0	43.0	43.0	43.1
IV 16000		27.6	31.3	36.1	39.0	40.9	41.5	42.3	42.7	43.1	43.3	43.3	43.3	43.3	43.4	43.4
IV 14000		27.8	31.6	36.4	39.5	41.4	42.1	42.9	43.4	43.7	43.9	43.9	43.9	43.9	44.0	44.0
IV 12000		28.5	32.5	37.4	40.8	42.8	43.5	44.4	44.9	45.3	45.5	45.5	45.6	45.6	45.6	45.7
IV 10000		30.2	34.4	39.7	43.3	45.4	46.3	47.4	47.9	48.3	48.6	48.6	48.6	48.6	48.7	48.7
IV 7000		31.4	32.8	41.2	45.0	47.4	48.4	49.0	50.1	50.3	50.8	50.8	50.9	50.9	50.9	51.0
IV 8000		33.2	38.1	44.2	48.2	50.7	52.0	53.4	54.1	54.5	55.0	55.0	55.1	55.1	55.2	55.2
IV 7000		34.3	39.5	45.7	50.0	52.7	54.3	55.8	56.5	57.0	57.4	57.5	57.6	57.6	57.6	57.7
IV 6000		35.3	40.8	47.1	51.6	54.5	56.3	57.9	58.5	59.1	59.5	59.6	59.7	59.7	59.8	59.8
IV 5000		37.6	43.1	49.7	54.5	57.4	59.4	61.2	61.8	62.4	62.9	62.9	63.0	63.0	63.1	63.1
IV 4500		39.3	45.1	51.8	57.0	60.0	62.0	63.8	64.5	65.1	65.5	65.6	65.7	65.7	65.8	65.8
IV 4000		41.8	47.5	54.8	60.2	63.2	65.4	67.3	68.1	68.7	69.1	69.2	69.3	69.3	69.4	69.4
IV 3500		45.6	52.0	59.1	64.6	67.6	69.8	71.7	72.5	73.1	73.6	73.6	73.7	73.7	73.8	73.8
IV 3000		50.7	57.5	64.9	71.0	74.3	76.7	78.5	79.7	80.2	80.7	80.7	80.9	80.9	80.9	80.9
IV 2500		54.4	61.8	69.9	76.4	79.7	82.4	84.6	85.5	86.2	86.6	86.7	86.8	86.8	86.9	86.9
IV 2000		57.3	65.5	74.1	80.8	84.5	87.2	89.6	90.8	91.3	91.8	91.8	91.9	91.9	92.0	92.0
IV 1800		57.7	65.9	74.7	81.5	85.3	88.1	90.4	91.5	92.3	92.9	93.0	93.1	93.1	93.1	93.2
IV 1500		58.6	67.1	76.3	83.3	87.6	90.6	93.1	94.2	95.1	95.7	95.7	95.9	95.9	95.9	95.9
IV 1200		58.8	67.5	77.0	84.2	88.6	91.8	94.3	95.5	96.4	97.1	97.2	97.3	97.3	97.3	97.4
IV 1000		58.9	67.6	77.2	84.5	88.9	92.2	94.5	95.0	97.0	97.7	97.8	97.9	97.9	98.0	98.0
IV 900		58.9	67.6	77.2	84.5	89.0	92.4	95.0	96.3	97.4	98.1	98.2	98.3	98.3	98.4	98.4
IV 800		58.9	67.7	77.3	84.5	89.3	92.8	95.3	96.8	98.1	98.9	99.0	99.1	99.1	99.2	99.2
IV 700		58.9	67.7	77.3	84.5	89.3	92.8	95.3	96.8	98.1	98.9	99.0	99.1	99.1	99.2	99.2
IV 600		58.9	67.7	77.3	84.5	89.3	92.8	95.3	96.8	98.1	98.9	99.0	99.1	99.1	99.2	99.2
IV 500		58.9	67.7	77.3	84.5	89.3	92.8	95.3	96.8	98.1	98.9	99.0	99.1	99.1	99.2	99.2
IV 400		58.9	67.7	77.3	84.5	89.3	92.8	95.3	96.8	98.1	98.9	99.0	99.1	99.1	99.2	99.2
IV 300		58.9	67.7	77.3	84.5	89.3	92.8	95.3	96.8	98.1	98.9	99.0	99.1	99.1	99.2	99.2
IV 200		58.9	67.7	77.3	84.5	89.3	92.8	95.3	96.8	98.1	98.9	99.0	99.1	99.1	99.2	99.2
IV 100		58.9	67.7	77.3	84.5	89.3	92.8	95.3	96.8	98.1	98.9	99.0	99.1	99.1	99.2	99.2
IV 0		58.9	67.7	77.3	84.5	89.3	92.8	95.3	96.8	98.1	98.9	99.0	99.1	99.1	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 2246

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010  
STATION

NIESBADEN AB GERMANY  
STATION NAME

46-70  
ELEVATION

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING		23.5	27.2	29.0	30.2	30.6	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 20000		32.4	34.5	37.0	38.6	39.0	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 18000		32.8	34.9	37.3	38.9	39.4	39.7	39.8	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 16000		33.0	35.0	37.7	39.1	39.6	39.9	40.0	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2
IV 14000		33.3	35.4	38.2	39.7	40.2	40.5	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 12000		34.6	36.8	39.8	41.3	42.0	42.3	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5
IV 10000		35.9	38.2	41.3	43.1	43.7	44.0	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 9000		37.2	39.6	42.8	44.8	45.6	45.9	46.1	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.3
IV 8000		39.2	41.9	45.7	47.9	48.8	49.3	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 7000		40.7	43.6	47.7	50.1	51.2	51.7	51.9	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2
IV 6000		42.7	45.9	50.2	52.7	53.8	54.3	54.7	54.8	55.0	55.0	55.1	55.1	55.1	55.1	55.1
IV 5000		46.6	49.9	54.4	56.9	58.2	58.9	59.2	59.3	59.3	59.3	59.6	59.7	59.7	59.7	59.7
IV 4500		50.4	54.0	58.7	61.4	62.8	63.6	64.0	64.1	64.1	64.3	64.4	64.4	64.4	64.4	64.4
IV 4000		56.1	60.0	65.1	67.9	69.3	70.2	70.7	70.8	71.1	71.1	71.1	71.2	71.2	71.2	71.2
IV 3500		62.5	66.7	72.1	74.9	76.4	77.2	77.8	77.9	78.1	78.1	78.2	78.3	78.3	78.3	78.3
IV 3000		69.1	73.6	79.3	82.2	83.8	84.6	85.4	85.4	85.7	85.7	85.8	85.8	85.8	85.8	85.8
IV 2500		73.2	77.9	83.7	86.9	88.7	89.7	90.3	90.4	90.7	90.7	90.7	90.8	90.8	90.8	90.8
IV 2000		76.9	81.9	88.2	91.7	93.6	94.7	95.4	95.6	95.8	95.9	95.9	96.0	96.0	96.0	96.0
IV 1800		77.7	82.7	89.0	92.6	94.5	95.6	96.3	96.3	96.7	96.7	96.8	96.9	96.9	96.9	96.9
IV 1500		78.4	83.5	89.8	93.3	95.3	96.7	97.4	97.6	97.8	97.8	97.9	98.0	98.0	98.0	98.0
IV 1200		78.5	83.7	90.2	93.9	95.9	97.2	98.0	98.3	98.6	98.6	98.7	98.8	98.8	98.8	98.8
IV 1000		78.6	83.9	90.4	94.2	96.3	97.8	98.6	98.9	99.2	99.3	99.4	99.4	99.4	99.4	99.4
IV 900		78.6	83.9	90.5	94.3	96.4	97.9	98.8	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6
IV 800		78.6	83.9	90.5	94.3	96.4	98.0	98.9	99.3	99.7	99.7	99.8	99.9	99.9	99.9	99.9
IV 700		78.6	83.9	90.6	94.4	96.5	98.0	99.0	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9
IV 600		78.6	83.9	90.6	94.4	96.5	98.0	99.0	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9
IV 500		78.6	83.9	90.6	94.4	96.5	98.0	99.0	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9
IV 400		78.6	83.9	90.6	94.4	96.5	98.0	99.0	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9
IV 300		78.6	83.9	90.6	94.4	96.5	98.0	99.0	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9
IV 200		78.6	83.9	90.6	94.4	96.5	98.0	99.0	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9
IV 100		78.6	83.9	90.6	94.4	96.5	98.0	99.0	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9
IV 0		78.6	83.9	90.6	94.4	96.5	98.0	99.0	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2246

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 STATION TIESBADEN AB GERMANY STATION NAME

48-70 YEARS

APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700 HOURS LT

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.5	≥0.4	≥0.3	≥0.2	≥0.1	≥0
NO CEILING		29.4	30.2	31.1	31.2	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 20000		38.0	39.3	40.6	40.9	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 18000		38.6	40.0	41.2	41.6	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 16000		38.8	40.1	41.4	41.7	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 14000		39.6	41.0	42.4	42.8	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
IV 12000		40.8	42.2	43.8	44.2	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 10000		43.4	44.9	46.5	47.2	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 9000		45.0	46.5	48.1	48.9	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 8000		48.9	50.6	52.4	53.5	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 7000		50.5	52.4	54.2	55.5	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 6000		53.8	56.0	58.0	59.4	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 5000		58.4	60.8	63.0	64.5	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 4500		63.6	66.3	68.6	70.3	70.8	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 4000		70.0	73.1	75.6	77.4	78.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 3500		75.3	78.5	81.2	83.2	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 3000		79.7	83.2	86.3	88.5	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 2500		82.8	86.7	90.0	92.4	93.4	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 2000		85.6	90.0	93.4	95.9	96.9	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1800		85.6	90.1	93.6	96.1	97.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1500		86.5	90.9	94.5	97.0	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200		86.4	91.1	94.7	97.2	98.3	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1000		86.4	91.1	94.7	97.2	98.4	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900		86.4	91.2	94.7	97.3	98.4	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800		86.4	91.2	94.8	97.4	98.5	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700		86.4	91.2	94.8	97.4	98.5	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600		86.4	91.2	94.8	97.4	98.5	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500		86.4	91.2	94.8	97.4	98.5	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400		86.4	91.2	94.8	97.4	98.5	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300		86.4	91.2	94.8	97.4	98.5	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200		86.4	91.2	94.8	97.4	98.5	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100		86.4	91.2	94.8	97.4	98.5	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0		86.4	91.2	94.8	97.4	98.5	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 2250



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

35010

WIESBADEN AB GERMANY

49570

YEARS

49R

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING		35.3	30.6	37.8	38.3	38.6	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 20000		45.6	47.6	49.1	50.0	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 18000		46.0	48.0	49.6	50.4	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 16000		46.1	48.1	49.6	50.5	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 14000		47.1	49.0	50.6	51.4	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 12000		48.5	50.6	52.2	53.1	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 10000		51.2	53.4	55.1	56.0	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 9000		52.5	55.2	57.0	57.8	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 8000		56.5	59.2	61.2	62.4	63.0	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 7000		59.2	62.1	64.4	65.5	66.2	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 6000		62.4	65.6	68.2	69.2	70.0	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 5000		67.3	71.0	73.8	75.2	76.0	76.4	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4500		70.0	74.0	77.1	78.6	79.3	79.8	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4000		74.1	78.4	81.7	83.3	84.1	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3500		76.9	81.6	85.0	86.8	87.7	88.3	88.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 3000		79.2	84.1	87.9	89.8	90.7	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 2500		81.5	86.8	90.8	92.8	93.9	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2000		83.5	89.1	92.3	95.6	96.6	97.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1800		83.8	89.4	92.7	96.0	97.2	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1500		84.1	89.7	93.2	96.5	97.8	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200		84.1	89.9	93.3	96.7	97.9	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1000		84.3	90.0	93.4	96.9	98.3	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900		84.3	90.0	93.4	96.9	98.3	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800		84.3	90.0	93.4	96.9	98.3	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700		84.3	90.0	93.4	96.9	98.3	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600		84.3	90.0	93.4	96.9	98.3	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500		84.3	90.0	93.4	96.9	98.3	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400		84.3	90.0	93.4	96.9	98.3	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300		84.3	90.0	93.4	96.9	98.3	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200		84.3	90.0	93.4	96.9	98.3	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100		84.3	90.0	93.4	96.9	98.3	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0		84.3	90.0	93.4	96.9	98.3	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

2250



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

3501C NIESBADEN AB GERMANY

48-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING		43.6	45.5	46.8	47.6	47.8	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000		48.5	50.7	52.4	53.4	53.7	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 18000		48.6	50.9	52.5	53.6	53.8	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 16000		49.0	51.3	52.9	54.0	54.2	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 14000		49.4	51.7	53.3	54.4	54.6	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 12000		50.6	52.9	54.3	55.7	55.9	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 10000		53.6	56.0	57.9	59.1	59.2	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 9000		55.4	57.9	59.7	61.0	61.2	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 8000		59.3	62.1	64.5	65.9	66.2	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 7000		62.1	65.3	68.0	69.4	69.8	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 6000		65.6	69.2	72.1	73.5	74.0	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000		69.7	74.0	77.0	78.6	79.0	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 4500		71.6	76.2	79.4	81.1	81.7	82.2	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 4000		74.8	79.7	83.0	85.0	85.5	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 3500		76.9	82.1	85.7	87.9	88.6	89.2	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6
IV 3000		78.9	84.6	88.5	90.8	91.5	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2500		80.8	86.8	90.8	93.1	93.9	94.4	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2000		82.5	88.7	92.8	95.3	96.0	96.6	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1800		83.0	89.1	93.3	95.7	96.4	97.0	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1500		83.4	89.8	93.9	96.4	97.1	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1200		83.6	90.0	94.3	96.8	97.6	98.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000		83.6	90.1	94.3	96.8	97.7	98.4	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900		83.6	90.1	94.3	96.8	97.7	98.4	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800		83.6	90.2	94.4	96.9	97.8	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700		83.6	90.2	94.4	96.9	97.8	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600		83.6	90.2	94.4	96.9	97.8	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500		83.6	90.2	94.4	96.9	97.8	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 400		83.6	90.2	94.4	96.9	97.8	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 300		83.6	90.2	94.4	96.9	97.8	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 200		83.6	90.2	94.4	96.9	97.8	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 100		83.6	90.2	94.4	96.9	97.8	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 0		83.6	90.2	94.4	96.9	97.8	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 2247

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION WIESBADEN AB GERMANY

48-70

YEARS

PERIOD 1967

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
MOONLIGHT

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING ≥ 20000		48.5	50.7	52.4	53.0	53.1	53.2	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 18000		52.0	54.2	56.3	56.9	57.0	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000		52.2	54.5	56.5	57.2	57.3	57.4	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 14000		52.6	54.9	57.0	57.6	57.8	57.9	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 12000		53.6	55.9	58.1	58.8	58.9	59.0	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 10000		57.0	59.4	61.7	62.4	62.5	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 9000		59.6	62.2	64.6	65.5	65.6	65.8	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 8000		65.4	68.3	70.8	71.8	72.1	72.3	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 7000		68.3	71.3	74.2	75.2	75.6	75.8	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 6000		72.3	75.4	78.2	79.3	79.7	80.0	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 5000		75.4	78.8	81.8	82.9	83.4	83.7	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500		77.2	80.7	83.8	85.0	85.6	85.9	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4000		80.3	83.8	87.1	88.4	89.0	89.4	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3500		82.2	86.2	89.5	91.1	91.7	92.0	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 3000		84.2	88.2	91.7	93.2	93.8	94.2	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 2500		85.2	89.4	93.2	94.8	95.4	95.8	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2000		86.4	90.7	94.7	96.4	97.0	97.5	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800		86.5	90.5	94.9	96.6	97.3	97.8	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500		86.8	91.1	95.2	96.9	97.6	98.2	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200		86.9	91.4	95.4	97.2	98.0	98.6	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000		86.9	91.4	95.4	97.4	98.1	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900		86.9	91.4	95.4	97.4	98.2	98.8	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		86.9	91.4	95.5	97.6	98.4	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700		86.9	91.4	95.6	97.6	98.4	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		86.9	91.4	95.6	97.6	98.4	99.1	99.3	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		86.9	91.4	95.7	97.6	98.5	99.1	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		86.9	91.4	95.7	97.7	98.5	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		86.9	91.4	95.7	97.7	98.5	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		86.9	91.4	95.7	97.7	98.5	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		86.9	91.4	95.7	97.7	98.5	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		86.9	91.4	95.7	97.7	98.5	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

-AY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0.10	≥ 0	≥ 0
NO CEILING		39.7	42.6	44.8	46.5	47.0	47.4	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 20000		43.8	47.0	49.6	51.5	52.2	52.6	52.8	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0
IV 18000		43.9	47.1	49.7	51.6	52.2	52.7	52.8	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1
IV 16000		43.9	47.1	49.7	51.7	52.3	52.8	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 14000		44.2	47.4	50.0	52.1	52.7	53.1	53.3	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5
IV 12000		44.8	48.1	50.9	52.9	53.5	54.0	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 10000		47.7	51.1	54.1	56.2	56.8	57.3	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 9000		49.6	53.2	56.5	58.7	59.3	60.1	60.4	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6
IV 8000		53.8	57.9	61.3	63.7	64.9	65.3	65.6	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9
IV 7000		58.3	60.9	64.4	66.9	67.8	68.8	69.2	69.3	69.4	69.5	69.5	69.5	69.5	69.5	69.5
IV 6000		60.1	63.2	66.8	71.5	72.4	73.5	73.9	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.2
IV 5000		63.9	69.6	73.5	76.6	77.5	78.8	79.2	79.3	79.6	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500		65.3	71.3	75.5	78.8	79.7	81.1	81.5	81.6	81.9	82.0	82.0	82.0	82.0	82.0	82.0
IV 4000		68.0	74.5	78.8	82.3	83.0	84.6	85.0	85.2	85.3	85.6	85.8	85.8	85.8	85.8	85.8
IV 3500		70.1	76.4	81.1	84.6	85.7	87.4	88.0	88.0	88.3	88.5	88.5	88.5	88.5	88.5	88.5
IV 3000		72.3	79.0	84.0	87.7	88.8	90.7	91.2	91.3	91.6	91.8	91.8	91.8	91.8	91.8	91.8
IV 2500		73.7	80.7	85.1	90.1	91.2	93.1	93.6	93.7	94.0	94.2	94.2	94.3	94.3	94.3	94.3
IV 2000		75.3	82.4	88.0	92.2	93.5	95.5	96.1	96.2	96.5	96.7	96.7	96.8	96.8	96.8	96.8
IV 1800		75.3	82.5	88.2	92.3	93.6	95.7	96.2	96.3	96.6	96.9	96.9	96.9	96.9	96.9	96.9
IV 1500		75.7	83.0	88.7	93.0	94.3	96.4	97.0	97.1	97.4	97.6	97.6	97.7	97.7	97.7	97.7
IV 1200		75.8	83.1	89.0	93.4	94.8	96.9	97.5	97.6	98.0	98.3	98.3	98.4	98.4	98.4	98.4
IV 1000		75.8	83.1	89.0	93.4	94.9	97.1	97.6	97.8	98.1	98.4	98.4	98.5	98.5	98.5	98.5
IV 900		75.8	83.2	89.1	93.5	95.0	97.2	97.7	97.8	98.2	98.5	98.5	98.6	98.6	98.6	98.6
IV 800		75.8	83.2	89.2	93.6	95.1	97.2	97.8	98.0	98.3	98.6	98.6	98.7	98.7	98.7	98.7
IV 700		75.8	83.2	89.2	93.6	95.1	97.2	97.8	98.0	98.3	98.6	98.6	98.7	98.7	98.7	98.7
IV 600		75.8	83.2	89.2	93.6	95.1	97.2	97.8	98.0	98.3	98.6	98.6	98.7	98.7	98.7	98.7
IV 500		75.8	83.2	89.2	93.6	95.1	97.3	97.9	98.1	98.4	98.7	98.7	98.8	98.8	98.8	98.8
IV 400		75.8	83.2	89.2	93.7	95.2	97.4	98.1	98.4	98.7	99.0	99.2	99.4	99.4	99.4	99.4
IV 300		75.8	83.2	89.2	93.7	95.2	97.5	98.1	98.4	98.7	99.0	99.3	99.5	99.5	99.5	99.5
IV 200		75.8	83.2	89.2	93.7	95.2	97.5	98.1	98.4	98.7	99.0	99.4	99.5	99.5	99.5	99.5
IV 100		75.8	83.2	89.2	93.7	95.2	97.5	98.1	98.4	98.7	99.0	99.4	99.5	99.5	99.5	99.5
IV 0		75.8	83.2	89.2	93.7	95.2	97.5	98.1	98.4	98.7	99.0	99.4	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

-AY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .5/16	≥ .4	≥ 0
NO CEILING		29.9	32.1	34.4	36.7	38.2	38.8	39.2	39.4	39.6	39.7	39.8	39.9	39.9	39.9	39.9
IV 20000		35.4	38.2	41.5	44.2	45.9	47.0	47.4	47.7	47.9	48.1	48.2	48.2	48.2	48.2	48.3
IV 18000		36.2	39.1	42.4	45.2	46.8	47.9	48.4	48.6	48.8	49.0	49.1	49.2	49.2	49.2	49.2
IV 16000		36.2	39.1	42.3	45.2	46.9	48.0	48.5	48.7	48.9	49.1	49.2	49.2	49.2	49.2	49.3
IV 14000		36.8	39.7	43.1	45.9	47.6	48.7	49.2	49.4	49.6	49.8	49.9	50.0	50.0	50.0	50.0
IV 12000		37.8	40.9	44.4	47.3	49.0	50.2	50.7	51.0	51.2	51.4	51.5	51.5	51.5	51.5	51.6
IV 10000		40.4	43.6	47.4	50.5	52.2	53.6	54.2	54.5	54.8	55.0	55.1	55.1	55.1	55.1	55.1
IV 9000		41.8	45.2	49.3	52.7	54.6	56.2	56.8	57.2	57.5	57.7	57.8	57.8	57.8	57.8	57.9
IV 8000		44.5	48.6	53.1	56.9	59.0	60.7	61.3	61.9	62.2	62.6	62.7	62.7	62.8	62.8	62.8
IV 7000		46.7	51.2	55.8	60.1	62.3	64.2	65.0	65.8	65.8	66.2	66.3	66.3	66.4	66.4	66.5
IV 6000		49.6	54.8	59.8	64.5	66.8	68.9	69.7	70.2	70.5	70.9	71.0	71.0	71.1	71.1	71.1
IV 5000		52.1	57.8	63.3	68.3	70.5	73.1	74.1	74.6	75.0	75.4	75.4	75.5	75.6	75.6	75.6
IV 4500		53.8	59.8	65.5	70.7	73.1	75.7	76.7	77.2	77.6	78.0	78.1	78.1	78.2	78.2	78.2
IV 4000		56.3	62.8	68.8	74.3	76.7	79.5	80.6	81.1	81.5	81.9	82.0	82.0	82.1	82.1	82.2
IV 3500		58.1	64.8	70.9	76.5	78.9	81.8	82.8	83.4	83.9	84.3	84.3	84.4	84.5	84.5	84.6
IV 3000		61.0	68.0	74.4	80.2	82.7	85.8	87.1	87.7	88.1	88.5	88.6	88.7	88.8	88.8	88.9
IV 2500		63.1	70.4	77.0	82.8	85.5	88.7	90.0	90.6	91.1	91.6	91.7	91.7	91.8	91.8	92.0
IV 2000		64.3	72.1	79.3	85.5	88.3	91.9	93.2	93.8	94.6	95.0	95.1	95.2	95.3	95.3	95.4
IV 1800		64.4	72.4	79.7	86.1	88.9	92.5	93.8	94.5	95.2	95.7	95.7	95.8	95.9	95.9	96.0
IV 1500		64.9	73.1	80.6	87.2	90.1	93.9	95.2	95.9	96.6	97.1	97.2	97.3	97.4	97.4	97.5
IV 1200		64.9	73.2	80.6	87.3	90.2	94.1	95.4	96.1	96.9	97.4	97.5	97.6	97.6	97.8	97.9
IV 1000		64.9	73.2	80.7	87.4	90.3	94.2	95.6	96.2	96.9	97.6	97.8	97.9	98.1	98.1	98.2
IV 900		64.9	73.2	80.7	87.4	90.3	94.4	95.7	96.4	97.2	97.7	97.8	97.9	98.1	98.1	98.2
IV 800		64.9	73.2	80.7	87.4	90.3	94.4	95.7	96.4	97.2	97.7	97.8	97.9	98.1	98.1	98.2
IV 700		64.9	73.2	80.7	87.4	90.3	94.4	95.7	96.4	97.2	97.7	97.8	97.9	98.1	98.1	98.2
IV 600		64.9	73.2	80.7	87.4	90.3	94.4	95.7	96.4	97.2	97.7	97.8	97.9	98.1	98.1	98.2
IV 500		64.9	73.2	80.7	87.4	90.3	94.4	95.7	96.4	97.2	97.7	97.8	97.9	98.1	98.1	98.2
IV 400		64.9	73.2	80.7	87.4	90.3	94.4	95.7	96.4	97.2	97.7	97.8	97.9	98.1	98.1	98.2
IV 300		64.9	73.2	80.7	87.4	90.3	94.4	95.7	96.4	97.2	97.7	97.8	97.9	98.1	98.1	98.2
IV 200		64.9	73.2	80.7	87.4	90.3	94.4	95.7	96.4	97.2	97.7	97.8	97.9	98.1	98.1	98.2
IV 100		64.9	73.2	80.7	87.4	90.3	94.4	95.7	96.4	97.2	97.7	97.8	97.9	98.1	98.1	98.2
IV 0		64.9	73.2	80.7	87.4	90.3	94.4	95.7	96.4	97.2	97.7	97.8	97.9	98.1	98.1	98.2

TOTAL NUMBER OF OBSERVATIONS

2325

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2500-1100

CEILING (FEET)	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING		28.9	31.0	33.3	34.9	35.3	36.0	36.1	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2
IV 20000		35.6	38.3	41.6	43.7	44.3	45.0	45.2	45.2	45.3	45.4	45.4	45.4	45.4	45.4	45.4
IV 18000		36.3	39.1	42.5	44.5	45.1	45.8	46.0	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2
IV 16000		36.3	39.1	42.5	44.6	45.2	45.9	46.1	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3
IV 14000		37.1	39.9	43.3	45.3	45.9	46.7	46.8	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1
IV 12000		38.6	41.4	44.9	47.0	47.7	48.4	48.6	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8
IV 10000		41.3	44.4	48.2	50.5	51.2	52.0	52.1	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4
IV 9000		42.4	45.8	50.1	52.6	53.4	54.3	54.5	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8
IV 8000		44.7	48.7	53.3	56.2	57.2	58.3	58.5	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 7000		46.8	51.1	56.0	59.0	60.0	61.2	61.5	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 6000		49.3	54.0	59.2	62.2	63.2	64.6	64.9	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3
IV 5000		51.8	56.8	62.2	65.2	66.3	67.8	68.2	68.3	68.5	68.6	68.6	68.6	68.6	68.6	68.6
IV 4500		54.1	59.3	65.0	68.3	69.3	71.0	71.4	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7
IV 4000		57.4	62.8	68.7	72.3	73.3	75.1	75.5	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9
IV 3500		60.6	66.2	72.5	76.3	77.4	79.3	79.7	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.2
IV 3000		63.3	71.1	77.6	81.6	82.9	84.9	85.5	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2500		68.4	74.7	81.5	85.5	86.9	88.9	89.3	89.5	89.8	89.9	89.9	89.9	89.9	89.9	89.9
IV 2000		71.1	78.1	85.4	90.0	91.6	93.6	94.1	94.3	94.6	94.7	94.7	94.7	94.7	94.7	94.8
IV 1800		71.4	78.5	85.8	90.6	92.3	94.3	94.8	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4
IV 1500		71.9	79.1	86.7	91.9	93.7	95.8	96.3	96.5	96.9	97.1	97.1	97.1	97.1	97.1	97.2
IV 1200		72.0	79.4	87.2	92.5	94.4	96.6	97.2	97.3	97.9	98.2	98.2	98.2	98.2	98.2	98.3
IV 1000		72.0	79.4	87.4	92.8	94.7	97.0	97.8	98.1	98.5	98.8	98.9	98.9	98.9	98.9	99.0
IV 900		72.0	79.4	87.4	92.8	94.7	97.0	97.8	98.1	98.8	98.8	98.9	98.9	98.9	98.9	99.0
IV 800		72.0	79.4	87.4	92.9	94.8	97.2	97.9	98.2	98.8	98.8	98.9	98.9	98.9	98.9	99.0
IV 700		72.0	79.4	87.4	92.9	94.8	97.2	97.9	98.2	98.8	98.8	98.9	98.9	98.9	98.9	99.0
IV 600		72.0	79.4	87.4	92.9	94.8	97.2	97.9	98.2	98.8	98.8	98.9	98.9	98.9	98.9	99.0
IV 500		72.0	79.4	87.4	92.9	94.8	97.3	97.9	98.2	98.8	98.8	98.9	98.9	98.9	98.9	99.0
IV 400		72.0	79.4	87.4	92.9	94.8	97.3	97.9	98.2	98.8	98.8	98.9	98.9	98.9	98.9	99.0
IV 300		72.0	79.4	87.4	92.9	94.8	97.3	97.9	98.2	98.8	98.8	98.9	98.9	98.9	98.9	99.0
IV 200		72.0	79.4	87.4	92.9	94.8	97.3	97.9	98.2	98.8	98.8	98.9	98.9	98.9	98.9	99.0
IV 100		72.0	79.4	87.4	92.9	94.8	97.3	97.9	98.2	98.8	98.8	98.9	98.9	98.9	98.9	99.0
IV 0		72.0	79.4	87.4	92.9	94.8	97.3	97.9	98.2	98.8	98.8	98.9	98.9	98.9	98.9	99.0

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESEBADEN AB GERMANY

40-70

YEARS

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥5	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥⅓	≥¼	≥0
NO CEILING		26.7	27.8	28.7	28.9	29.1	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
≥ 20000		36.9	38.6	39.7	40.0	40.2	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 18000		37.4	39.1	40.2	40.3	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
IV 16000		37.5	39.3	40.4	40.7	40.9	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
IV 14000		38.2	40.0	41.2	41.5	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
IV 12000		39.1	40.9	42.1	42.4	42.5	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 10000		41.5	43.5	44.8	45.3	45.5	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 9000		43.3	45.4	46.7	47.3	47.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 8000		46.9	49.1	50.5	51.2	51.6	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 7000		49.1	51.4	53.1	53.8	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 6000		52.2	54.6	56.3	57.3	57.6	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 5000		56.8	59.4	61.5	62.3	62.7	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 4500		61.1	64.0	66.3	67.3	67.7	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 4000		67.8	71.1	73.4	74.5	74.8	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 3500		74.0	77.5	80.1	81.2	81.7	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3000		79.7	82.8	86.6	87.9	88.3	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 2500		83.1	87.4	90.5	91.9	92.3	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 2000		85.7	90.3	93.7	95.2	95.8	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1800		85.9	90.7	94.3	95.9	96.6	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1500		86.4	91.3	95.1	96.9	97.6	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1200		86.4	91.4	95.4	97.2	97.9	98.5	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000		86.5	91.5	95.5	97.3	98.2	98.8	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900		86.5	91.5	95.5	97.3	98.2	98.8	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800		86.5	91.5	95.5	97.3	98.2	98.8	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700		86.5	91.5	95.5	97.3	98.2	98.8	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600		86.5	91.5	95.5	97.3	98.2	98.8	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500		86.5	91.5	95.5	97.3	98.2	98.8	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400		86.5	91.5	95.5	97.3	98.2	98.8	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300		86.5	91.5	95.5	97.3	98.2	98.8	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200		86.5	91.5	95.5	97.3	98.2	98.8	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100		86.5	91.5	95.5	97.3	98.2	98.8	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0		86.5	91.5	95.5	97.3	98.2	98.8	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

2325

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

YEARS

WAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING ≥ 20000	29.3	29.7	30.0	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
IV 18000	41.8	42.4	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
IV 16000	42.9	43.7	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 14000	43.2	44.0	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 12000	43.9	44.7	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 10000	45.4	45.3	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 8000	48.7	49.7	50.0	50.2	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 7000	51.0	52.0	52.3	52.6	52.6	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 6000	55.3	55.7	57.4	57.6	57.6	57.6	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 5000	58.9	60.4	61.2	61.5	61.5	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 4500	62.8	64.3	65.4	65.9	66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 4000	68.2	69.9	71.0	71.5	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3500	72.5	74.3	75.6	76.1	76.3	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 3000	78.6	80.8	82.2	82.8	83.0	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 2500	83.0	85.3	86.9	87.5	87.7	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000	87.2	89.9	91.4	92.0	92.3	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1800	90.2	93.3	95.0	95.7	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1500	91.6	94.8	96.6	97.3	97.6	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1200	93.6	94.9	96.7	97.5	97.8	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000	91.9	93.3	97.2	98.1	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	91.9	93.3	97.3	98.2	98.5	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	92.1	93.4	97.3	98.3	98.6	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	92.1	93.4	97.3	98.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	92.1	93.4	97.3	98.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	92.1	93.4	97.3	98.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	92.1	93.4	97.3	98.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	92.1	93.4	97.3	98.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	92.1	93.4	97.3	98.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	92.1	93.4	97.3	98.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	92.1	93.4	97.3	98.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

2325



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010

WIESBADEN AB GERMANY

46-72

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1600-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.10	≥0.05	≥0.025	≥0.01
NO CEILING ≥ 20000		34.2	35.1	35.5	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
IV 18000		46.3	47.4	47.9	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 16000		47.9	48.9	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000		48.4	49.4	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 12000		49.4	50.5	51.0	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 10000		50.7	51.8	52.3	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 9000		54.2	55.3	55.9	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 8000		57.4	58.8	59.4	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 7000		63.8	64.9	65.6	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 6000		67.5	69.1	70.0	70.5	70.5	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 5000		72.7	74.5	75.6	76.1	76.2	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 4500		78.2	80.0	81.2	81.9	82.1	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 4000		81.2	83.1	84.5	85.2	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3500		85.4	87.6	89.1	89.8	90.0	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 3000		87.2	89.7	91.2	92.0	92.2	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2500		89.2	91.7	93.5	94.4	94.6	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 2000		90.3	93.2	95.2	96.3	96.6	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1800		91.1	94.2	96.3	97.6	97.9	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1500		91.1	94.2	96.4	97.7	98.0	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1200		91.5	94.7	96.9	98.3	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000		91.6	94.7	97.0	98.5	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900		91.7	94.8	97.2	98.6	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800		91.7	94.8	97.2	98.6	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700		91.7	94.8	97.2	98.6	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600		91.7	94.8	97.2	98.6	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500		91.7	94.8	97.2	98.6	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400		91.7	94.8	97.2	98.6	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300		91.7	94.8	97.2	98.6	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200		91.7	94.8	97.2	98.6	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100		91.7	94.8	97.2	98.6	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0		91.7	94.8	97.2	98.6	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

2925



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010

WIESBADEN AB GERMANY

46-70

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING		43.8	45.1	46.0	46.4	46.6	47.0	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000		51.7	53.1	54.2	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 18000		52.5	54.0	55.0	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 16000		52.7	54.1	55.2	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000		52.9	54.3	55.5	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 12000		54.3	55.8	57.1	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 10000		56.3	59.8	61.1	61.7	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 9000		61.1	62.7	64.0	64.7	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 8000		66.9	68.7	70.4	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 7000		70.0	72.1	73.9	74.8	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000		74.1	76.4	78.3	79.3	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 5000		78.6	81.2	82.4	84.5	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500		80.6	83.4	85.8	87.0	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4000		83.7	86.7	89.4	90.7	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 3500		85.5	88.8	91.6	92.9	93.3	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 3000		87.4	90.8	93.8	95.1	95.6	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2500		88.3	91.8	95.0	96.6	96.9	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000		89.1	92.7	96.0	97.5	98.0	98.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800		89.2	92.7	96.0	97.6	98.1	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500		89.3	92.9	96.4	98.1	98.6	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200		89.4	93.0	96.5	98.2	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		89.4	93.0	96.5	98.2	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		89.5	93.1	96.5	98.3	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800		89.5	93.1	96.5	98.4	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		89.5	93.1	96.5	98.4	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		89.5	93.1	96.5	98.4	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		89.5	93.1	96.5	98.4	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		89.5	93.1	96.5	98.4	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		89.5	93.1	96.5	98.4	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200		89.5	93.1	96.5	98.4	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		89.5	93.1	96.5	98.4	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0		89.5	93.1	96.5	98.4	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

40-70  
YEAR

YEAR

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 5	≥ 3	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 0
NO CEILING		49.0	50.8	51.5	52.2	52.5	52.7	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	53.0
IV 20000		53.1	55.0	55.9	56.5	56.8	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.4	57.4
IV 18000		53.4	55.4	56.2	56.9	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 16000		53.4	55.4	56.2	56.9	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 14000		53.5	55.4	56.2	56.8	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 12000		54.7	55.7	57.6	58.3	58.6	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.2	59.2
IV 10000		57.8	59.2	60.9	61.7	62.0	62.4	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.8	62.8
IV 9000		60.3	62.7	64.0	65.0	65.4	65.9	66.0	66.0	66.1	66.2	66.2	66.2	66.2	66.3	66.3
IV 8000		65.2	65.9	69.3	70.4	70.9	71.4	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.8	71.8
IV 7000		66.1	71.3	74.1	75.5	76.1	76.5	76.6	76.8	77.0	77.1	77.1	77.1	77.1	77.1	77.1
IV 6000		72.1	76.7	78.9	80.5	81.0	81.3	81.7	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.2
IV 5000		76.3	80.2	83.0	84.8	85.3	85.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9
IV 4500		77.9	81.7	84.8	86.7	87.4	88.1	88.4	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8
IV 4000		79.9	83.8	87.1	89.1	89.8	90.4	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.3	91.3
IV 3500		80.7	85.0	88.4	90.3	91.2	92.0	92.3	92.4	92.6	92.6	92.6	92.6	92.6	92.7	92.7
IV 3000		81.5	85.8	89.2	91.5	92.2	93.2	93.5	93.6	93.8	93.8	93.8	93.8	93.8	93.9	93.9
IV 2500		82.2	85.7	90.4	92.3	93.2	94.2	94.5	94.7	94.8	94.9	94.9	94.9	94.9	95.0	95.0
IV 2000		83.0	88.1	91.8	94.0	94.8	95.9	96.1	96.4	96.6	96.7	96.7	96.7	96.7	96.8	96.8
IV 1800		83.8	88.4	92.1	94.4	95.2	96.4	96.1	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.3
IV 1500		84.2	89.0	92.8	95.0	95.8	97.1	97.1	97.8	98.1	98.1	98.1	98.1	98.2	98.2	98.2
IV 1200		84.3	89.1	92.9	95.2	96.1	97.4	97.4	98.0	98.2	98.3	98.3	98.3	98.3	98.6	98.6
IV 1000		84.4	89.3	93.2	95.4	96.4	97.7	97.7	98.3	98.5	98.5	98.5	98.5	98.5	98.9	98.9
IV 900		84.4	89.3	93.2	95.4	96.4	97.7	97.7	98.3	98.5	98.5	98.5	98.5	98.5	98.9	98.9
IV 800		84.5	89.3	93.2	95.4	96.4	97.7	97.7	98.3	98.5	98.5	98.5	98.5	98.5	98.9	98.9
IV 700		84.5	89.3	93.2	95.4	96.4	97.7	97.7	98.3	98.5	98.5	98.5	98.5	98.5	98.9	98.9
IV 600		84.6	89.6	93.4	95.6	96.6	98.1	98.1	98.8	98.9	98.9	98.9	98.9	98.9	99.3	99.3
IV 500		84.6	89.6	93.4	95.6	96.6	98.1	98.1	98.8	98.9	98.9	98.9	98.9	98.9	99.3	99.3
IV 400		84.6	89.6	93.4	95.6	96.6	98.1	98.1	98.8	98.9	98.9	98.9	98.9	98.9	99.3	99.3
IV 300		84.6	89.6	93.4	95.6	96.6	98.1	98.1	98.8	98.9	98.9	98.9	98.9	98.9	99.3	99.3
IV 200		84.6	89.6	93.4	95.6	96.6	98.1	98.1	98.8	98.9	98.9	98.9	98.9	98.9	99.3	99.3
IV 100		84.6	89.6	93.4	95.6	96.6	98.1	98.1	98.8	98.9	98.9	98.9	98.9	98.9	99.3	99.3
IV 0		84.6	89.6	93.4	95.6	96.6	98.1	98.1	98.8	98.9	98.9	98.9	98.9	98.9	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 2249

DATA PROCESSING DIVISION  
USAF ETAC  
AFR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

YEAR

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING		39.3	41.9	43.8	45.1	45.6	46.3	46.4	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000		44.0	46.9	49.1	50.7	51.3	52.1	52.3	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.7
≥ 18000		44.4	47.2	49.4	51.1	51.6	52.3	52.7	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.1
IV 16000		44.4	47.2	49.4	51.1	51.6	52.3	52.7	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.1
IV 14000		44.8	47.6	49.9	51.5	52.1	52.9	53.1	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.5
IV 12000		45.8	48.8	51.1	52.8	53.4	54.3	54.4	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8
IV 10000		46.0	51.3	53.9	55.8	56.4	57.3	57.5	57.6	57.7	57.8	57.8	57.8	57.8	57.8	58.0
IV 9000		49.3	52.8	55.6	57.6	58.3	59.2	59.4	59.6	59.6	59.7	59.7	59.7	59.7	59.8	59.9
IV 8000		52.4	56.4	59.4	62.2	62.9	64.0	64.2	64.4	64.4	64.5	64.5	64.5	64.5	64.6	64.7
IV 7000		56.0	60.3	63.9	67.1	67.8	69.1	69.3	69.5	69.5	69.6	69.6	69.6	69.6	69.8	69.9
IV 6000		59.9	64.3	68.0	71.3	72.3	73.7	74.0	74.3	74.6	74.6	74.6	74.6	74.7	74.7	74.8
IV 5000		63.2	68.4	72.6	76.1	77.0	78.6	78.9	79.2	79.4	79.6	79.6	79.6	79.7	79.7	79.9
IV 4500		65.2	70.5	74.8	78.4	79.3	81.0	81.3	81.7	82.0	82.2	82.3	82.3	82.3	82.4	82.4
IV 4000		67.3	72.0	77.8	81.4	82.3	84.4	84.6	85.1	85.3	85.5	85.6	85.6	85.6	85.7	85.8
IV 3500		69.0	74.8	79.6	83.7	84.8	86.6	87.1	87.4	87.6	87.8	87.9	87.9	88.0	88.0	88.1
IV 3000		70.3	76.2	81.7	86.0	87.1	89.0	89.5	89.8	90.0	90.2	90.3	90.3	90.4	90.4	90.5
IV 2500		71.6	78.2	83.5	87.9	89.0	91.2	91.5	92.0	92.3	92.5	92.6	92.6	92.6	92.7	92.8
IV 2000		72.8	79.6	85.0	89.6	90.8	93.1	93.5	94.2	94.5	94.8	94.8	94.8	94.9	95.0	95.1
IV 1800		72.9	79.8	85.2	89.8	91.1	93.3	93.7	94.5	94.8	95.1	95.2	95.2	95.2	95.3	95.4
IV 1500		73.6	80.6	86.4	91.2	92.3	94.8	95.2	96.1	96.4	96.7	96.8	96.8	96.9	97.0	97.1
IV 1200		73.7	80.7	86.6	91.3	92.5	95.2	95.6	96.5	96.8	97.1	97.2	97.2	97.3	97.3	97.4
IV 1000		73.9	81.2	87.1	92.1	93.3	96.1	96.5	97.3	97.7	98.0	98.1	98.1	98.2	98.2	98.4
IV 900		73.9	81.2	87.1	92.2	93.4	96.1	96.5	97.3	97.7	98.0	98.1	98.1	98.2	98.2	98.4
IV 800		73.9	81.2	87.1	92.2	93.4	96.1	96.5	97.3	97.7	98.0	98.1	98.1	98.2	98.2	98.4
IV 700		73.9	81.2	87.1	92.2	93.4	96.1	96.5	97.3	97.7	98.0	98.1	98.1	98.2	98.2	98.4
IV 600		73.9	81.2	87.1	92.2	93.4	96.1	96.5	97.3	97.7	98.0	98.1	98.1	98.2	98.2	98.4
IV 500		73.9	81.2	87.1	92.2	93.4	96.1	96.5	97.3	97.7	98.0	98.1	98.1	98.2	98.2	98.4
IV 400		73.9	81.2	87.1	92.2	93.4	96.1	96.5	97.3	97.7	98.0	98.1	98.1	98.2	98.2	98.4
IV 300		73.9	81.2	87.1	92.2	93.4	96.1	96.5	97.3	97.7	98.0	98.1	98.1	98.2	98.2	98.4
IV 200		73.9	81.2	87.1	92.2	93.4	96.1	96.5	97.3	97.7	98.0	98.1	98.1	98.2	98.2	98.4
IV 100		73.9	81.2	87.1	92.2	93.4	96.1	96.5	97.3	97.7	98.0	98.1	98.1	98.2	98.2	98.4
IV 0		73.9	81.2	87.1	92.2	93.4	96.1	96.5	97.3	97.7	98.0	98.1	98.1	98.2	98.2	98.4

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

49-70

YEARS

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS A.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		25.0	32.1	34.9	37.3	39.3	40.4	40.9	41.0	41.2	41.4	41.5	41.5	41.5	41.6	41.6
≥ 20000		34.6	38.3	41.6	44.8	47.2	48.5	49.0	49.2	49.3	49.7	49.8	49.8	49.9	49.9	49.9
≥ 18000		34.7	38.5	42.3	45.3	47.7	49.1	49.6	49.7	50.0	50.2	50.3	50.4	50.4	50.4	50.4
IV 16000		35.0	38.9	42.4	45.5	47.8	49.2	49.7	49.9	50.1	50.4	50.4	50.4	50.5	50.5	50.6
IV 14000		35.3	39.2	42.9	46.0	48.4	49.8	50.3	50.6	50.7	50.9	51.0	51.1	51.1	51.1	51.2
IV 12000		36.1	40.1	43.9	47.0	49.4	50.8	51.3	51.5	51.8	52.0	52.1	52.1	52.2	52.2	52.2
IV 10000		36.7	40.0	47.0	50.6	53.1	54.6	55.2	55.5	55.7	56.0	56.1	56.1	56.2	56.2	56.3
IV 9000		40.4	43.0	49.3	53.2	55.7	57.4	58.1	58.4	58.7	58.9	59.0	59.1	59.1	59.2	59.2
IV 8000		43.3	46.4	53.0	57.3	60.3	62.3	63.0	63.4	63.7	63.9	64.0	64.1	64.2	64.2	64.4
IV 7000		45.7	51.1	56.0	60.8	63.6	65.8	66.6	67.1	67.4	67.6	67.8	67.9	68.0	68.0	68.1
IV 6000		47.7	53.3	58.6	63.8	66.7	69.0	69.9	70.3	70.7	70.9	71.1	71.2	71.2	71.3	71.4
IV 5000		50.3	56.4	62.3	67.9	71.0	73.3	74.6	75.0	75.5	75.8	76.0	76.0	76.1	76.1	76.3
IV 4500		52.0	58.2	64.4	70.1	73.3	76.0	77.2	77.6	78.1	78.4	78.6	78.7	78.7	78.8	79.0
IV 4000		53.6	60.2	66.7	72.9	76.2	79.1	80.3	80.8	81.2	81.6	81.7	81.8	82.1	82.0	82.1
IV 3500		54.9	61.7	68.4	74.9	78.2	81.2	82.4	82.9	83.4	83.7	83.9	84.0	84.2	84.2	84.4
IV 3000		56.4	63.5	70.1	77.1	80.3	83.0	84.9	85.3	85.8	86.0	86.3	86.4	86.6	86.7	86.9
IV 2500		58.5	65.9	72.7	80.0	83.7	87.3	88.3	88.9	89.3	89.9	90.2	90.4	90.5	90.6	90.8
IV 2000		60.0	67.6	75.0	82.6	86.3	90.2	91.5	92.2	92.7	93.2	93.4	93.8	93.8	93.8	93.8
IV 1800		60.3	67.9	75.3	82.3	87.2	91.0	92.4	93.0	93.6	94.1	94.3	94.6	94.6	94.6	94.7
IV 1500		60.9	69.0	76.8	84.8	88.8	92.8	94.2	94.9	95.3	95.8	96.0	96.2	96.4	96.5	96.7
IV 1200		61.1	69.2	77.2	85.2	89.2	93.3	94.8	95.3	95.8	96.3	96.5	96.7	96.8	96.9	97.0
IV 1000		61.1	69.3	77.3	85.3	89.3	93.4	94.9	95.4	95.9	96.4	96.6	96.8	96.9	97.0	97.1
IV 900		61.1	69.3	77.3	85.3	89.3	93.4	94.9	95.4	95.9	96.4	96.6	96.8	96.9	97.0	97.1
IV 800		61.1	69.3	77.3	85.3	89.3	93.4	94.9	95.4	95.9	96.4	96.6	96.8	96.9	97.0	97.1
IV 700		61.2	69.3	77.3	85.3	89.3	93.4	94.9	95.4	95.9	96.4	96.6	96.8	96.9	97.0	97.1
IV 600		61.2	69.3	77.3	85.3	89.3	93.4	94.9	95.4	95.9	96.4	96.6	96.8	96.9	97.0	97.1
IV 500		61.2	69.3	77.3	85.3	89.3	93.4	94.9	95.4	95.9	96.4	96.6	96.8	96.9	97.0	97.1
IV 400		61.2	69.3	77.3	85.3	89.3	93.4	94.9	95.4	95.9	96.4	96.6	96.8	96.9	97.0	97.1
IV 300		61.2	69.3	77.3	85.3	89.3	93.4	94.9	95.4	95.9	96.4	96.6	96.8	96.9	97.0	97.1
IV 200		61.2	69.3	77.3	85.3	89.3	93.4	94.9	95.4	95.9	96.4	96.6	96.8	96.9	97.0	97.1
IV 100		61.2	69.3	77.3	85.3	89.3	93.4	94.9	95.4	95.9	96.4	96.6	96.8	96.9	97.0	97.1
IV 0		61.2	69.3	77.3	85.3	89.3	93.4	94.9	95.4	95.9	96.4	96.6	96.8	96.9	97.0	97.1

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING ≥ 20000		26.7	29.4	32.5	34.8	36.2	36.8	37.1	37.2	37.2	37.2	37.3	37.3	37.3	37.3	37.3
≥ 18000		32.9	36.9	39.6	42.2	44.0	44.7	45.0	45.1	45.2	45.2	45.3	45.3	45.3	45.3	45.3
≥ 16000		33.2	36.2	40.0	42.9	44.4	45.0	45.3	45.3	45.3	45.6	45.6	45.6	45.6	45.6	45.6
≥ 14000		33.3	35.3	40.0	42.6	44.3	45.1	45.4	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7
≥ 12000		33.4	36.6	40.5	43.1	45.0	45.6	45.9	46.0	46.1	46.1	46.2	46.2	46.2	46.2	46.2
≥ 10000		34.3	37.9	42.0	44.8	46.7	47.4	47.7	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.0
≥ 9000		36.0	39.8	44.3	47.4	49.3	50.0	50.4	50.5	50.5	50.5	50.7	50.7	50.7	50.7	50.7
≥ 8000		37.4	41.4	46.0	49.4	51.6	52.3	52.9	53.1	53.2	53.2	53.3	53.3	53.3	53.3	53.3
≥ 7000		40.4	45.0	50.0	53.6	55.9	56.9	57.3	57.5	57.6	57.7	57.8	57.8	57.8	57.8	57.8
≥ 6000		42.8	47.6	52.8	56.6	58.9	60.1	60.3	60.7	60.9	60.9	61.0	61.0	61.0	61.0	61.0
≥ 5000		44.4	49.4	54.8	58.7	61.1	62.4	62.8	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4500		46.9	52.3	57.8	62.0	64.6	66.6	66.6	66.6	66.8	66.9	67.0	67.0	67.0	67.0	67.0
≥ 4000		48.6	54.1	59.8	64.1	66.8	68.2	68.6	68.8	69.1	69.1	69.2	69.2	69.2	69.2	69.2
≥ 3500		52.4	58.0	63.9	68.3	70.9	72.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3000		56.9	62.7	68.1	73.7	76.3	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2500		61.0	67.3	72.1	77.2	82.0	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2000		64.7	71.4	76.6	81.8	86.7	88.4	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1800		67.7	74.9	80.2	85.7	90.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1500		68.2	75.6	82.9	88.3	91.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1200		69.3	77.0	84.8	90.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000		69.3	77.3	85.3	91.3	94.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 900		69.3	77.4	85.7	91.7	95.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 800		69.3	77.4	85.7	91.7	95.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 700		69.3	77.4	85.7	91.7	95.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 600		69.3	77.4	85.7	91.7	95.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 500		69.3	77.4	85.7	91.7	95.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 400		69.3	77.4	85.7	91.7	95.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 300		69.3	77.4	85.7	91.7	95.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 200		69.3	77.4	85.7	91.7	95.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 100		69.3	77.4	85.7	91.7	95.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ C		69.3	77.4	85.7	91.7	95.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010  
STATION

WIESBADEN AB GERMANY  
STATION

40-70  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		27.2	27.9	29.2	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
≥ 20000		36.7	37.7	39.3	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 18000		37.0	38.0	39.9	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 16000		37.1	38.2	40.0	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 14000		37.6	38.7	40.5	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 12000		38.8	40.1	42.2	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 10000		41.3	42.7	45.1	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 9000		42.9	44.4	47.1	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 8000		48.3	47.2	50.3	50.8	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 7000		48.1	50.0	53.1	53.7	54.0	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 6000		52.0	54.0	57.3	58.0	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 5000		56.7	58.6	62.4	63.2	63.2	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 4500		60.4	62.6	66.6	67.8	67.9	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 4000		67.4	69.9	74.0	75.0	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3500		73.4	76.0	80.4	81.6	81.9	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 3000		79.6	82.6	87.4	88.7	89.2	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2500		82.6	86.0	90.9	92.4	92.7	93.2	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2000		85.1	88.8	94.0	95.6	96.3	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800		85.3	89.3	94.5	96.2	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500		86.3	90.8	96.0	97.5	98.3	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200		86.3	90.7	96.2	98.1	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000		86.4	90.7	96.2	98.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900		86.4	90.7	96.2	98.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		86.4	90.7	96.2	98.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700		86.4	90.7	96.2	98.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600		86.4	90.7	96.2	98.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		86.4	90.7	96.2	98.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400		86.4	90.7	96.2	98.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		86.4	90.7	96.2	98.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200		86.4	90.7	96.2	98.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100		86.4	90.7	96.2	98.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0		86.4	90.7	96.2	98.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

40-70

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	28.3	28.7	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
IV 18000	40.2	41.1	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 16000	43.4	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
IV 14000	41.1	42.0	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 12000	42.7	43.0	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 10000	46.1	47.1	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 9000	49.2	50.2	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 8000	56.2	55.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 7000	57.4	59.1	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 6000	62.9	64.4	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 5000	67.0	69.4	70.8	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 4500	72.1	74.0	75.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 4000	77.3	79.4	81.1	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 3500	82.2	84.4	86.3	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000	86.3	88.8	90.9	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2500	88.7	91.4	93.8	94.8	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 2000	90.4	93.3	96.0	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1800	90.7	93.8	96.3	97.4	97.7	98.0	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1500	91.1	94.1	97.1	98.3	98.3	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	91.1	94.1	97.2	98.3	98.3	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	91.2	94.1	97.3	98.3	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	91.2	94.1	97.4	98.3	98.3	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	91.2	94.1	97.4	98.3	98.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	91.2	94.1	97.4	98.3	98.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	91.2	94.1	97.4	98.3	98.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	91.2	94.1	97.4	98.3	98.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	91.2	94.1	97.4	98.3	98.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	91.2	94.1	97.4	98.3	98.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	91.2	94.1	97.4	98.3	98.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	91.2	94.1	97.4	98.3	98.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	91.2	94.1	97.4	98.3	98.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

2299



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

25010 HIESBADEN AB GERMANY

40-70

YEARS

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3-10	≥¼	≥0
NO CEILING		34.7	35.5	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 20000		48.0	49.0	49.4	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 18000		48.0	49.4	49.8	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 16000		48.8	49.3	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 14000		49.6	50.3	50.9	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 12000		50.6	52.0	52.4	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 10000		55.0	56.7	57.2	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 9000		57.9	58.3	60.1	60.4	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 8000		63.5	68.2	66.0	66.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 7000		67.1	69.1	70.0	70.3	70.8	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0
IV 6000		71.3	73.8	74.7	75.2	75.6	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8
IV 5000		76.4	79.0	80.4	81.2	81.6	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9
IV 4500		78.7	81.4	83.1	83.8	84.3	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
IV 4000		82.3	85.6	87.4	88.2	88.7	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0
IV 3500		84.4	87.6	89.6	90.4	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 3000		87.1	90.3	92.6	93.3	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2500		88.7	92.4	94.7	95.9	96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 2000		89.9	93.9	96.3	97.4	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1800		87.9	96.0	96.4	97.6	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1500		90.0	95.2	96.8	98.0	98.6	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200		90.1	96.4	96.9	98.3	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000		90.1	96.4	97.1	98.4	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900		90.1	96.4	97.1	98.3	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800		90.1	96.4	97.1	98.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700		90.1	96.4	97.1	98.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600		90.1	96.4	97.1	98.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500		90.1	96.4	97.1	98.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400		90.1	96.4	97.1	98.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300		90.1	96.4	97.1	98.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200		90.1	96.4	97.1	98.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100		90.1	96.4	97.1	98.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0		90.1	96.4	97.1	98.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 2249



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

40-70

YEARS

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/5	≥1/8	≥0
NO CEILING		42.8	43.9	44.7	45.3	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000		30.3	31.6	32.7	33.4	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 18000		30.4	31.6	32.8	33.5	33.8	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
IV 16000		30.4	31.6	32.8	33.5	33.8	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
IV 14000		31.8	32.8	33.7	34.4	34.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
IV 12000		32.8	34.3	35.3	36.0	36.3	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
IV 10000		33.8	35.3	36.3	37.0	37.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 9000		33.8	35.3	36.3	37.0	37.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 8000		63.8	66.1	67.4	68.7	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 7000		67.8	70.0	71.5	73.0	73.3	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 6000		71.7	74.6	76.2	77.9	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 5000		75.8	79.1	81.3	82.2	82.8	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4500		77.6	81.6	83.6	85.3	86.2	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 4000		80.3	84.0	86.9	88.7	89.4	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 3500		82.1	86.0	89.0	91.1	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 3000		83.3	87.6	90.7	93.1	93.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 2500		84.0	88.2	91.4	94.0	94.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 2000		85.0	89.3	92.6	95.3	96.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1800		85.0	89.3	92.6	95.3	96.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1500		85.2	89.7	93.3	96.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1200		85.3	89.7	93.7	96.7	97.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1000		85.4	89.9	93.9	96.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900		85.4	89.9	93.9	96.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800		85.4	89.9	93.9	96.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700		85.4	89.9	93.9	96.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600		85.4	89.9	93.9	96.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500		85.4	89.9	93.9	96.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400		85.4	89.9	93.9	96.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300		85.4	89.9	93.9	96.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200		85.4	89.9	93.9	96.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100		85.4	89.9	93.9	96.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0		85.4	89.9	93.9	96.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 2246

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

48-70

YEARS

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥5/16	≥1/4	≥0	
NO CEILING		52.3	54.3	55.9	56.6	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4
≥ 20000		54.3	56.7	58.9	59.6	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4
IV 18000		54.4	56.7	58.6	59.7	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4
IV 16000		54.4	56.6	58.6	59.7	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.5
IV 14000		54.6	56.9	58.7	59.8	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 12000		55.4	57.8	59.6	60.7	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.5
IV 10000		58.0	60.6	62.6	63.8	64.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6
IV 9000		60.0	62.9	65.1	66.3	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2
IV 8000		66.1	69.6	72.0	73.3	73.7	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 7000		70.6	74.8	77.1	78.5	78.9	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6
IV 6000		74.3	78.3	81.1	82.6	83.0	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8
IV 5000		77.1	81.1	84.1	85.6	86.3	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1
IV 4500		78.4	82.7	85.7	87.4	88.0	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9
IV 4000		80.3	84.7	87.9	89.6	90.2	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1
IV 3500		81.6	86.0	89.2	90.9	91.5	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4
IV 3000		82.3	87.0	90.2	92.1	92.7	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7
IV 2500		83.8	88.5	91.7	93.6	94.3	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3
IV 2000		85.4	90.2	93.7	95.6	96.3	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4
IV 1800		85.7	90.5	94.1	96.1	96.9	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1
IV 1500		86.0	91.0	94.6	96.8	97.6	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8
IV 1200		85.1	91.1	94.7	96.9	97.8	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
IV 1000		86.2	91.8	95.9	97.1	98.0	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
IV 900		86.2	91.8	95.9	97.2	98.1	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
IV 800		86.2	91.8	95.9	97.2	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
IV 700		86.2	91.8	95.9	97.2	98.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
IV 600		86.2	91.8	95.9	97.2	98.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
IV 500		86.2	91.8	95.9	97.2	98.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
IV 400		86.2	91.8	95.9	97.2	98.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
IV 300		86.2	91.8	95.9	97.2	98.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
IV 200		86.2	91.8	95.9	97.2	98.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
IV 100		86.2	91.8	95.9	97.2	98.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
IV 0		86.2	91.8	95.9	97.2	98.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5

TOTAL NUMBER OF OBSERVATIONS 3315

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

40-70

YEARS

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET.	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2+	≥2	≥1+	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥0
NO CEILING		39.0	42.6	44.6	46.4	47.1	48.1	48.4	48.9	48.6	48.8	48.8	48.8	48.8	48.8	48.8
≥ 20000		42.1	46.1	48.6	50.4	51.3	52.4	52.7	52.8	52.9	53.1	53.1	53.1	53.1	53.1	53.2
≥ 18000		42.2	46.2	48.6	50.3	51.4	52.4	52.8	52.9	53.0	53.2	53.2	53.2	53.2	53.2	53.3
IV 16000		42.3	46.3	48.6	50.6	51.5	52.6	52.9	53.0	53.1	53.2	53.3	53.3	53.3	53.3	53.4
IV 14000		42.4	46.4	49.0	50.9	51.7	52.9	53.2	53.3	53.4	53.6	53.6	53.6	53.6	53.6	53.7
IV 12000		42.9	47.3	49.7	51.6	52.4	53.4	53.9	54.0	54.1	54.3	54.3	54.3	54.3	54.3	54.4
IV 10000		43.7	50.4	53.3	53.4	54.3	54.9	57.7	58.1	58.2	58.4	58.6	58.6	58.6	58.6	58.6
IV 9000		47.8	53.0	56.1	58.2	59.8	60.4	61.1	61.2	61.3	61.5	61.5	61.5	61.5	61.5	61.6
IV 8000		52.2	57.8	61.2	63.7	64.9	66.3	66.9	67.0	67.1	67.4	67.4	67.4	67.4	67.4	67.4
IV 7000		57.0	63.0	64.6	69.2	70.6	72.1	72.7	72.8	73.0	73.3	73.3	73.3	73.3	73.3	73.3
IV 6000		60.4	67.0	70.9	73.9	75.2	76.8	77.4	77.5	77.7	78.0	78.0	78.0	78.0	78.0	78.1
IV 5000		63.9	70.9	74.9	78.2	79.6	81.3	81.9	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.6
IV 4500		68.7	72.8	77.1	80.4	81.9	83.3	84.3	84.6	84.9	85.2	85.2	85.2	85.2	85.2	85.3
IV 4000		68.8	73.7	80.1	82.7	85.2	87.2	88.0	88.2	88.4	88.7	88.7	88.7	88.7	88.7	88.8
IV 3500		69.7	77.0	81.4	85.2	86.7	88.9	89.7	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.6
IV 3000		70.8	78.3	83.3	86.9	88.4	90.7	91.8	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.4
IV 2500		71.6	79.3	84.2	87.9	89.4	91.9	92.8	92.0	93.4	93.7	93.7	93.7	93.7	93.7	93.8
IV 2000		72.9	81.1	86.1	90.0	91.6	94.2	95.2	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.2
IV 1800		73.2	81.6	86.7	90.6	92.3	94.9	95.9	96.1	96.3	96.8	96.8	96.8	96.8	96.8	97.0
IV 1500		74.0	82.4	87.9	91.8	93.3	96.3	97.2	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.3
IV 1200		74.1	82.7	88.1	92.0	93.7	96.3	97.3	97.5	97.8	98.2	98.3	98.3	98.3	98.3	98.7
IV 1000		74.3	82.9	88.4	92.4	94.2	96.9	97.9	98.0	98.3	98.6	98.9	98.9	98.9	98.9	99.1
IV 900		74.3	82.9	88.4	92.4	94.2	96.9	97.9	98.0	98.3	98.6	98.9	98.9	98.9	98.9	99.1
IV 800		74.3	82.9	88.4	92.4	94.2	96.9	97.9	98.0	98.3	98.6	98.9	98.9	98.9	98.9	99.1
IV 700		74.3	82.9	88.4	92.4	94.2	96.9	97.9	98.0	98.3	98.6	98.9	98.9	98.9	98.9	99.1
IV 600		74.3	82.9	88.4	92.4	94.2	96.9	97.9	98.0	98.3	98.6	98.9	98.9	98.9	98.9	99.1
IV 500		74.3	82.9	88.4	92.4	94.2	96.9	97.9	98.0	98.3	98.6	98.9	98.9	98.9	98.9	99.1
IV 400		74.3	82.9	88.4	92.4	94.2	96.9	97.9	98.0	98.3	98.6	98.9	98.9	98.9	98.9	99.1
IV 300		74.3	82.9	88.4	92.4	94.2	96.9	97.9	98.0	98.3	98.6	98.9	98.9	98.9	98.9	99.1
IV 200		74.3	82.9	88.4	92.4	94.2	96.9	97.9	98.0	98.3	98.6	98.9	98.9	98.9	98.9	99.1
IV 100		74.3	82.9	88.4	92.4	94.2	96.9	97.9	98.0	98.3	98.6	98.9	98.9	98.9	98.9	99.1
IV 0		74.3	82.9	88.4	92.4	94.2	96.9	97.9	98.0	98.3	98.6	98.9	98.9	98.9	98.9	99.1

TOTAL NUMBER OF OBSERVATIONS 3317

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

40-70

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/5	≥1/8	≥0
NO CEILING		27.9	31.7	35.0	37.0	38.9	39.9	40.3	40.4	40.7	40.8	40.8	40.8	40.8	40.8	40.9
≥20000		30.9	33.0	39.4	41.9	43.2	44.9	45.2	45.8	45.9	46.0	46.1	46.1	46.1	46.1	46.2
IV 18000		30.4	33.2	39.7	42.1	43.9	44.9	45.4	45.9	46.2	46.3	46.4	46.4	46.4	46.4	46.5
IV 16000		30.4	33.2	39.7	42.1	43.9	44.9	45.4	45.9	46.2	46.3	46.4	46.4	46.4	46.4	46.5
IV 14000		30.7	33.6	40.1	42.3	43.9	45.1	45.6	46.3	46.6	46.8	46.9	46.9	46.9	46.9	46.9
IV 12000		31.0	33.7	40.8	42.4	44.8	46.0	47.1	47.3	47.8	48.0	48.1	48.1	48.1	48.1	48.1
IV 10000		33.2	38.9	43.6	46.0	48.2	49.7	50.9	51.4	51.7	51.9	51.9	51.9	51.9	51.9	52.0
IV 9000		34.9	40.2	43.9	46.4	50.1	51.8	53.1	53.7	54.0	54.1	54.2	54.2	54.2	54.2	54.3
IV 8000		37.9	44.3	50.3	54.2	56.3	58.4	59.9	60.8	60.8	61.0	61.1	61.1	61.1	61.1	61.2
IV 7000		41.8	48.0	53.2	59.3	61.8	64.1	66.0	66.2	66.9	67.8	68.8	68.8	68.8	68.8	68.9
IV 6000		48.0	51.2	58.1	62.8	65.3	68.0	69.9	70.2	70.9	70.7	70.8	70.9	70.8	70.8	70.9
IV 5000		46.7	54.7	62.2	67.2	69.9	72.9	74.7	75.4	75.7	75.9	76.0	76.0	76.0	76.0	76.1
IV 4500		48.0	56.8	64.0	69.7	72.9	75.0	77.9	78.2	78.6	78.8	78.9	78.9	78.9	78.9	79.1
IV 4000		51.8	59.0	67.0	73.0	76.0	79.2	81.1	81.3	82.3	82.8	82.8	82.8	82.7	82.7	82.9
IV 3500		52.9	61.0	69.3	74.9	77.9	81.3	83.1	83.9	84.4	84.8	84.9	84.9	85.0	85.0	85.1
IV 3000		54.9	63.2	71.0	77.3	80.7	84.3	86.2	87.0	87.6	87.9	88.0	88.0	88.2	88.2	88.3
IV 2500		56.1	65.1	73.9	79.7	83.0	86.8	88.0	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.1
IV 2000		57.9	66.8	75.9	82.1	85.6	89.7	91.9	92.8	93.3	93.9	94.0	94.0	94.2	94.2	94.4
IV 1800		57.7	67.0	76.3	82.6	86.1	90.1	92.7	93.8	94.2	94.7	94.8	94.8	95.0	95.0	95.2
IV 1500		58.2	67.9	77.5	83.9	87.8	92.3	94.6	95.8	96.2	96.7	96.8	96.9	97.0	97.0	97.2
IV 1200		58.4	68.0	77.9	84.3	88.2	92.9	95.3	96.3	96.9	97.5	97.6	97.6	97.7	97.8	97.9
IV 1000		58.9	68.2	78.2	84.6	88.7	93.3	95.7	96.8	97.4	98.1	98.2	98.3	98.4	98.5	98.6
IV 900		58.9	68.2	78.2	84.6	88.7	93.3	95.7	96.8	97.4	98.1	98.2	98.3	98.4	98.5	98.6
IV 800		58.7	68.3	78.3	84.8	88.9	93.7	96.2	97.3	97.8	98.5	98.6	98.7	98.8	98.9	99.1
IV 700		58.7	68.3	78.3	84.8	88.9	93.7	96.2	97.3	97.8	98.5	98.6	98.7	98.8	98.9	99.2
IV 600		58.7	68.3	78.3	84.8	88.9	93.7	96.2	97.3	97.8	98.5	98.6	98.7	98.8	98.9	99.4
IV 500		58.7	68.3	78.3	84.8	88.9	93.7	96.2	97.3	97.8	98.5	98.6	98.7	98.8	98.9	99.6
IV 400		58.7	68.3	78.3	84.8	88.9	93.7	96.2	97.3	97.8	98.5	98.6	98.7	98.8	98.9	99.6
IV 300		58.7	68.3	78.3	84.8	88.9	93.7	96.2	97.3	97.8	98.5	98.6	98.7	98.8	98.9	99.5
IV 200		58.7	68.3	78.3	84.8	88.9	93.7	96.2	97.3	97.8	98.5	98.6	98.7	98.8	98.9	99.5
IV 100		58.7	68.3	78.3	84.8	88.9	93.7	96.2	97.3	97.8	98.5	98.6	98.7	98.8	98.9	99.5
IV 0		58.7	68.3	78.3	84.8	88.9	93.7	96.2	97.3	97.8	98.5	98.6	98.7	98.8	98.9	99.5

TOTAL NUMBER OF OBSERVATIONS

3322

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 HIESBADEN AB GERMANY

4070

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.5-1.0	≥.4	≥0
NO CEILING ≥ 20000	29.9	29.1	22.5	34.0	35.0	35.8	38.2	38.3	36.4	38.9	36.5	36.5	36.5	36.5	36.5	36.5
IV 18000	30.8	34.3	38.7	40.9	41.9	43.0	43.4	43.4	43.7	43.7	43.7	43.7	43.7	43.8	43.8	43.8
IV 16000	31.0	34.7	38.8	40.9	42.1	43.3	43.6	43.6	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.0
IV 14000	31.4	35.1	39.3	41.3	42.6	43.7	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.4	44.4	44.4
IV 12000	32.3	36.3	40.5	42.6	43.9	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.4	45.4	45.4
IV 10000	33.4	36.4	44.0	46.1	47.6	48.8	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.4	49.4	49.4
IV 9000	38.9	41.2	48.9	48.3	49.8	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	52.0	52.0	52.0
IV 8000	40.1	48.0	50.3	52.2	53.1	54.0	57.2	57.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 7000	42.2	47.4	53.2	56.2	57.9	59.4	60.2	60.3	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7
IV 6000	44.3	50.1	53.9	56.1	61.0	62.0	63.4	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 5000	47.0	52.9	59.0	62.7	64.8	66.0	67.4	67.7	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0
IV 4500	48.3	53.3	61.3	63.2	67.4	68.1	70.1	70.4	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7
IV 4000	52.2	58.4	64.9	69.0	71.1	72.9	73.9	74.2	74.3	74.3	74.3	74.3	74.3	74.6	74.6	74.6
IV 3500	55.9	62.2	68.9	73.1	73.3	77.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 3000	61.0	67.7	74.8	79.2	81.8	83.0	84.6	84.9	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3
IV 2500	64.3	71.7	78.9	83.4	83.7	88.0	89.1	89.4	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000	67.7	78.4	83.4	88.0	90.7	92.8	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.6	94.6	94.6
IV 1800	68.3	78.0	84.1	88.9	91.6	93.7	94.9	95.2	95.4	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1500	69.2	77.1	85.6	90.6	93.4	95.6	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.6	97.6	97.6
IV 1200	69.6	77.3	86.1	91.3	94.1	96.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.6	98.6	98.6
IV 1000	69.7	77.6	86.2	91.6	94.4	96.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9
IV 900	69.7	77.6	86.2	91.7	94.4	96.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9
IV 800	69.7	77.6	86.2	91.7	94.4	96.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9
IV 700	69.7	77.6	86.3	91.7	94.3	96.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9
IV 600	69.7	77.6	86.3	91.7	94.3	96.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9
IV 500	69.7	77.6	86.3	91.7	94.3	96.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9
IV 400	69.7	77.6	86.3	91.7	94.3	96.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9
IV 300	69.7	77.6	86.3	91.7	94.3	96.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9
IV 200	69.7	77.6	86.3	91.7	94.3	96.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9
IV 100	69.7	77.6	86.3	91.7	94.3	96.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9
IV 0	69.7	77.6	86.3	91.7	94.3	96.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 2225

DATA PROCESSING DIVISION  
USAF ETAC  
AFR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

32010 WIESBADEN AB GERMANY

40-70

YEARS

1961

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
LOCAL TIME

CEILING FEET.	VISIBILITY STATUTE MILES.															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	28.8	29.8	30.8	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
IV 18000	35.8	37.0	38.2	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IV 16000	35.8	37.1	38.6	39.1	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
IV 14000	36.0	37.3	39.1	39.5	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
IV 12000	37.3	39.0	40.6	41.1	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 10000	40.8	42.3	44.6	45.1	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
IV 9000	43.1	44.7	46.3	47.4	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 8000	46.4	48.4	50.6	51.3	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 7000	49.6	51.7	54.1	55.0	55.2	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 6000	53.2	55.7	58.1	59.1	59.3	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 5000	56.0	58.6	62.3	64.4	64.6	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 4500	62.7	65.4	68.2	69.3	69.5	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 4000	69.0	72.8	75.7	76.8	77.1	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 3500	75.4	78.8	82.1	83.9	84.2	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 3000	80.9	84.4	88.1	89.6	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 2500	84.3	88.2	92.0	93.6	94.2	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2000	86.0	90.1	94.5	96.2	96.8	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1800	86.2	90.3	94.8	96.5	97.1	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1500	86.6	90.8	95.3	97.2	97.8	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1200	86.8	91.1	95.6	97.5	98.2	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	86.9	91.4	96.0	97.9	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	86.9	91.4	96.0	97.9	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	87.0	91.4	96.1	98.0	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	87.0	91.4	96.1	98.0	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	87.0	91.4	96.1	98.0	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	87.0	91.4	96.1	98.0	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	87.0	91.4	96.1	98.0	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	87.0	91.4	96.1	98.0	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	87.0	91.4	96.1	98.0	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	87.0	91.4	96.1	98.0	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	87.0	91.4	96.1	98.0	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 3325

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

38010 WIESBADEN AB GERMANY

40-70

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING		31.4	31.7	32.2	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
IV 20000		39.6	40.0	40.6	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
IV 18000		40.1	40.6	41.1	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV 16000		40.2	40.6	41.2	41.5	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
IV 14000		41.1	41.5	42.1	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 12000		42.8	43.2	43.8	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 10000		46.7	47.2	48.0	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 9000		48.6	49.4	50.3	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 8000		53.5	54.4	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 7000		57.0	58.2	59.4	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 6000		62.1	63.3	64.8	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 5000		68.3	69.8	71.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 4500		73.6	75.1	76.7	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 4000		79.7	81.2	82.0	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3500		84.3	86.2	88.2	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 3000		88.3	90.2	92.4	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 2500		90.2	92.3	94.8	95.7	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 2000		91.3	93.6	96.3	97.4	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1800		91.8	94.0	96.8	97.8	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1500		92.3	94.5	97.2	98.4	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200		92.4	94.8	97.5	98.8	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000		92.4	94.8	97.6	98.9	99.3	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900		92.4	94.8	97.6	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800		92.4	94.8	97.6	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700		92.4	94.8	97.6	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600		92.4	94.8	97.6	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500		92.4	94.8	97.6	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400		92.4	94.8	97.6	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300		92.4	94.8	97.6	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200		92.4	94.8	97.6	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100		92.4	94.8	97.6	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0		92.4	94.8	97.6	98.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 3325



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

40019

YEARS

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING ≥ 20000	36.9	37.7	38.4	38.9	39.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 18000	47.3	48.0	48.4	48.9	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 16000	47.3	48.0	48.4	48.9	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000	48.3	49.0	49.4	49.9	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 12000	50.1	50.8	51.2	51.7	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 10000	54.1	54.8	55.2	55.7	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 9000	57.2	57.9	58.3	58.8	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 8000	61.1	61.8	62.2	62.7	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 7000	67.7	68.4	68.8	69.3	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 6000	72.7	73.4	73.8	74.3	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 5000	78.0	78.7	79.1	79.6	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 4500	81.1	81.8	82.2	82.7	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 4000	83.7	84.4	84.8	85.3	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3500	87.0	87.7	88.1	88.6	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 3000	89.6	90.3	90.7	91.2	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2500	90.2	90.9	91.3	91.8	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2000	91.0	91.7	92.1	92.6	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1800	91.1	91.8	92.2	92.7	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1500	91.1	91.8	92.2	92.7	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1200	91.1	91.8	92.2	92.7	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1000	91.1	91.8	92.2	92.7	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 900	91.1	91.8	92.2	92.7	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 800	91.1	91.8	92.2	92.7	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 700	91.1	91.8	92.2	92.7	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 600	91.1	91.8	92.2	92.7	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 500	91.1	91.8	92.2	92.7	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 400	91.1	91.8	92.2	92.7	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 300	91.1	91.8	92.2	92.7	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 200	91.1	91.8	92.2	92.7	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 100	91.1	91.8	92.2	92.7	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 0	91.1	91.8	92.2	92.7	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5

TOTAL NUMBER OF OBSERVATIONS 2220



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

39010 NIESSBADEN AB GERMANY

46-70

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS LT FT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING ≥ 20000		45.6	48.9	47.8	48.4	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 18000		51.2	52.9	54.2	55.1	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 16000		51.4	53.2	54.5	55.3	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 14000		51.4	53.2	54.5	55.3	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 12000		51.7	53.5	54.8	55.6	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 10000		53.2	55.0	56.3	57.2	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 9000		56.8	58.9	60.4	61.3	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 8000		58.8	61.0	62.8	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 7000		64.3	66.9	68.9	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 6000		69.0	71.7	73.8	74.9	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 5000		73.3	76.3	78.5	79.7	80.0	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4500		77.7	80.6	83.2	84.4	84.8	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 4000		80.0	83.1	85.8	87.1	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 3500		83.1	86.2	89.0	90.3	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3000		84.6	87.8	90.6	91.9	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2500		86.1	89.4	92.2	93.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 2000		87.8	91.1	93.7	95.3	95.6	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1800		88.5	91.7	94.1	95.8	96.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1500		88.7	92.2	94.4	96.1	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1200		89.0	92.6	94.9	96.5	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1000		89.3	92.9	95.2	96.9	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 900		89.3	92.9	95.2	96.9	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 800		89.3	92.9	95.2	96.9	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 700		89.3	92.9	95.2	96.9	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 600		89.3	92.9	95.2	96.9	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 500		89.3	92.9	95.2	96.9	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 400		89.3	92.9	95.2	96.9	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 300		89.3	92.9	95.2	96.9	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 200		89.3	92.9	95.2	96.9	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 100		89.3	92.9	95.2	96.9	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV U		89.3	92.9	95.2	96.9	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 2320

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

40-70

YEARS

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS ZST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		46.9	48.7	49.8	50.9	51.0	51.2	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6
≥ 20000		30.8	53.1	54.5	55.7	55.8	56.2	56.3	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 18000		51.0	53.3	54.7	55.9	56.0	56.4	56.5	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.9
IV 16000		51.1	53.4	54.8	56.0	56.1	56.5	56.6	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 14000		51.6	53.9	55.3	56.6	56.8	57.2	57.3	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.7
IV 12000		53.6	55.9	57.3	58.1	58.4	58.7	58.9	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2
IV 10000		56.7	59.1	60.5	62.3	62.6	63.0	63.2	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.7
IV 9000		58.9	61.3	62.7	64.7	65.0	65.5	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1
IV 8000		64.1	67.3	68.7	70.8	71.3	71.8	71.9	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.4
IV 7000		68.1	71.3	72.7	75.4	75.9	76.4	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	77.0
IV 6000		71.7	75.4	77.6	79.8	80.0	80.3	80.7	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.1
IV 5000		75.3	79.4	82.2	84.1	84.6	85.1	85.3	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.8
IV 4500		76.8	80.8	83.5	85.8	86.1	86.6	86.8	87.0	87.2	87.3	87.3	87.3	87.3	87.3	87.3
IV 4000		78.3	82.7	85.7	87.6	88.3	88.8	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.5
IV 3500		79.3	84.0	87.0	89.0	89.6	90.2	90.4	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.9
IV 3000		80.3	85.1	88.3	90.3	90.9	91.5	91.7	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.2
IV 2500		80.8	85.7	89.2	91.2	91.8	92.3	92.7	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.2
IV 2000		82.1	87.3	91.1	93.3	94.0	94.8	95.1	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.6
IV 1800		82.4	87.8	91.4	93.7	94.4	95.2	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	96.0
IV 1500		82.9	88.4	92.1	94.4	95.1	95.9	96.2	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8
IV 1200		83.3	88.8	92.8	95.2	95.9	96.8	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.7
IV 1000		83.5	89.0	93.0	95.5	96.3	97.2	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900		83.5	89.0	93.1	95.6	96.4	97.3	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800		83.5	89.1	93.2	95.7	96.5	97.4	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 700		83.5	89.1	93.2	95.8	96.6	97.5	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600		83.5	89.1	93.3	95.9	96.7	97.6	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500		83.5	89.2	93.3	96.0	96.8	97.7	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 400		83.5	89.2	93.3	96.0	96.8	97.7	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 300		83.5	89.2	93.3	96.0	96.8	97.7	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 200		83.5	89.2	93.3	96.0	96.8	97.7	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 100		83.5	89.2	93.3	96.0	96.8	97.7	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 0		83.5	89.2	93.3	96.0	96.8	97.7	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS

2201

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

49-70

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS HST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ 5/16	≥ .1	≥ 0
NO CEILING		39.1	42.4	43.0	46.4	47.0	48.1	48.6	48.7	48.9	49.0	49.0	49.0	49.1	49.2	49.3
IV 20000		41.9	45.8	48.0	50.3	51.0	52.2	52.8	53.1	53.3	53.4	53.4	53.4	53.5	53.6	53.7
IV 18000		42.0	46.1	48.7	50.3	51.0	52.3	52.9	53.1	53.4	53.5	53.5	53.5	53.6	53.7	53.7
IV 16000		42.2	46.1	48.9	50.6	51.2	52.3	52.9	53.1	53.4	53.6	53.7	53.7	53.8	53.9	54.0
IV 14000		42.3	46.3	49.1	51.0	51.6	52.9	53.3	53.8	54.0	54.2	54.2	54.3	54.3	54.4	54.4
IV 12000		43.2	47.2	50.1	51.8	52.5	53.9	54.3	54.8	55.0	55.2	55.2	55.3	55.3	55.4	55.4
IV 10000		43.9	50.1	53.3	55.1	55.8	57.3	58.1	58.4	58.6	58.8	58.8	58.9	58.9	59.0	59.1
IV 9000		47.7	52.1	55.5	57.6	58.1	59.6	60.4	60.7	60.9	61.2	61.2	61.3	61.3	61.4	61.5
IV 8000		53.2	57.9	61.6	63.8	64.3	65.9	66.8	67.1	67.4	67.7	67.7	67.8	67.8	67.9	68.0
IV 7000		56.7	61.7	65.7	67.8	68.6	70.0	71.2	71.5	71.8	72.1	72.1	72.2	72.2	72.3	72.4
IV 6000		60.4	66.0	70.1	72.3	73.2	75.0	75.9	76.2	76.6	76.9	76.9	77.0	77.0	77.1	77.2
IV 5000		63.0	69.2	72.7	75.1	75.7	78.0	78.9	79.2	79.5	79.8	79.8	80.0	80.0	80.1	80.2
IV 4500		63.6	70.0	74.0	77.2	78.2	80.1	81.2	81.5	81.9	82.2	82.2	82.3	82.3	82.4	82.5
IV 4000		65.0	71.7	76.5	79.2	80.3	82.2	83.3	83.6	84.0	84.3	84.3	84.4	84.4	84.5	84.6
IV 3500		66.1	73.0	77.8	80.7	82.0	83.9	84.9	85.2	85.6	85.9	86.0	86.0	86.1	86.2	86.3
IV 3000		67.9	74.8	79.9	83.0	84.3	86.3	87.4	87.8	88.2	88.5	88.6	88.7	88.7	88.8	88.9
IV 2500		69.0	76.1	81.3	84.6	85.8	88.0	89.1	89.5	90.1	90.4	90.5	90.5	90.6	90.7	90.8
IV 2000		69.9	77.4	83.0	86.3	87.8	90.0	91.2	91.6	92.2	92.6	92.7	92.8	92.8	92.9	93.0
IV 1800		70.3	78.1	83.8	87.1	88.6	90.8	92.0	92.4	93.0	93.4	93.5	93.6	93.7	93.8	93.9
IV 1500		71.1	79.1	84.9	88.3	89.8	92.1	93.4	93.8	94.4	94.8	94.9	95.0	95.1	95.2	95.3
IV 1200		71.8	80.0	86.2	89.9	91.3	93.6	94.9	95.3	95.9	96.3	96.4	96.5	96.6	96.7	96.8
IV 1000		71.9	80.2	86.4	90.2	91.6	93.9	95.2	95.6	96.2	96.6	96.7	96.8	96.9	97.0	97.1
IV 900		72.0	80.3	86.5	90.3	91.7	94.0	95.3	95.7	96.3	96.7	96.8	96.9	97.0	97.1	97.2
IV 800		72.0	80.3	86.5	90.3	91.7	94.0	95.3	95.7	96.3	96.7	96.8	96.9	97.0	97.1	97.2
IV 700		72.0	80.3	86.5	90.3	91.7	94.0	95.3	95.7	96.3	96.7	96.8	96.9	97.0	97.1	97.2
IV 600		72.0	80.3	86.5	90.3	91.7	94.0	95.3	95.7	96.3	96.7	96.8	96.9	97.0	97.1	97.2
IV 500		72.0	80.3	86.5	90.3	91.7	94.0	95.3	95.7	96.3	96.7	96.8	96.9	97.0	97.1	97.2
IV 400		72.0	80.3	86.5	90.3	91.7	94.0	95.3	95.7	96.3	96.7	96.8	96.9	97.0	97.1	97.2
IV 300		72.0	80.3	86.5	90.3	91.7	94.0	95.3	95.7	96.3	96.7	96.8	96.9	97.0	97.1	97.2
IV 200		72.0	80.3	86.5	90.3	91.7	94.0	95.3	95.7	96.3	96.7	96.8	96.9	97.0	97.1	97.2
IV 100		72.0	80.3	86.5	90.3	91.7	94.0	95.3	95.7	96.3	96.7	96.8	96.9	97.0	97.1	97.2
IV 0		72.0	80.3	86.5	90.3	91.7	94.0	95.3	95.7	96.3	96.7	96.8	96.9	97.0	97.1	97.2

TOTAL NUMBER OF OBSERVATIONS 2294

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/WAC

# CEILING VERSUS VISIBILITY

39010 WIESBADEN AB GERMANY

46-70

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000		26.0	29.1	31.8	33.8	34.9	36.0	37.2	37.3	37.7	37.9	37.9	38.0	38.1	38.2	38.2
IV 18000		29.7	32.3	35.7	39.6	40.9	42.6	44.1	44.3	44.8	45.0	45.0	45.1	45.2	45.3	45.3
IV 16000		30.2	32.8	37.3	40.1	41.5	43.1	44.7	44.9	45.4	45.6	45.6	45.7	45.9	46.0	46.0
IV 14000		30.4	34.0	37.9	40.4	41.7	43.4	45.0	45.1	45.7	45.9	45.9	46.0	46.1	46.2	46.2
IV 12000		30.9	34.3	38.1	41.0	42.5	44.1	45.7	45.9	46.5	46.7	46.7	46.8	46.9	47.0	47.0
IV 10000		32.2	36.1	39.9	43.1	44.7	46.4	48.0	48.2	48.8	49.1	49.1	49.1	49.3	49.4	49.4
IV 9000		34.2	38.4	42.6	46.4	48.0	50.1	51.8	52.0	52.6	52.8	52.8	52.9	53.1	53.2	53.2
IV 8000		36.3	40.8	45.3	49.4	51.1	53.5	55.1	55.3	56.1	56.4	56.5	56.5	56.7	56.8	56.8
IV 7000		39.3	44.6	50.0	54.6	56.8	59.6	61.4	61.7	62.6	62.9	63.0	63.1	63.3	63.4	63.4
IV 6000		42.6	48.2	54.2	59.2	61.5	64.5	66.3	67.0	67.9	68.3	68.3	68.3	68.5	68.6	68.6
IV 5000		44.3	50.7	57.1	62.6	65.0	68.2	70.4	71.0	71.9	72.2	72.3	72.3	72.5	72.6	72.6
IV 4500		46.6	53.2	60.1	66.0	68.4	71.9	74.4	74.9	75.9	76.2	76.3	76.3	76.5	76.6	76.6
IV 4000		47.8	54.6	61.7	67.8	70.4	74.1	76.8	77.0	78.0	78.4	78.4	78.4	78.7	78.8	78.8
IV 3500		49.2	56.2	63.4	69.7	72.4	76.2	78.6	79.3	80.0	80.8	80.8	80.8	81.1	81.2	81.2
IV 3000		50.3	57.4	64.7	71.1	73.9	77.9	80.3	81.0	82.1	82.5	82.5	82.5	82.8	82.9	82.9
IV 2500		51.3	58.6	66.1	72.8	75.8	79.9	82.4	83.1	84.3	84.6	84.6	84.6	85.0	85.1	85.1
IV 2000		52.3	60.1	67.9	75.0	78.1	82.3	84.9	85.7	87.1	87.4	87.4	87.4	87.8	87.9	87.9
IV 1800		54.3	62.3	70.4	77.9	81.2	85.8	88.6	89.3	90.8	91.3	91.3	91.3	91.8	91.9	91.9
IV 1500		54.3	62.3	70.4	77.9	81.2	85.8	88.6	89.3	90.8	91.3	91.3	91.3	91.8	91.9	91.9
IV 1200		54.3	62.3	70.4	77.9	81.2	85.8	88.6	89.3	90.8	91.3	91.3	91.3	91.8	91.9	91.9
IV 1000		54.3	62.3	70.4	77.9	81.2	85.8	88.6	89.3	90.8	91.3	91.3	91.3	91.8	91.9	91.9
IV 900		54.3	62.3	70.4	77.9	81.2	85.8	88.6	89.3	90.8	91.3	91.3	91.3	91.8	91.9	91.9
IV 800		54.3	62.3	70.4	77.9	81.2	85.8	88.6	89.3	90.8	91.3	91.3	91.3	91.8	91.9	91.9
IV 700		54.3	62.3	70.4	77.9	81.2	85.8	88.6	89.3	90.8	91.3	91.3	91.3	91.8	91.9	91.9
IV 600		54.3	62.3	70.4	77.9	81.2	85.8	88.6	89.3	90.8	91.3	91.3	91.3	91.8	91.9	91.9
IV 500		54.3	62.3	70.4	77.9	81.2	85.8	88.6	89.3	90.8	91.3	91.3	91.3	91.8	91.9	91.9
IV 400		54.3	62.3	70.4	77.9	81.2	85.8	88.6	89.3	90.8	91.3	91.3	91.3	91.8	91.9	91.9
IV 300		54.3	62.3	70.4	77.9	81.2	85.8	88.6	89.3	90.8	91.3	91.3	91.3	91.8	91.9	91.9
IV 200		54.3	62.3	70.4	77.9	81.2	85.8	88.6	89.3	90.8	91.3	91.3	91.3	91.8	91.9	91.9
IV 100		54.3	62.3	70.4	77.9	81.2	85.8	88.6	89.3	90.8	91.3	91.3	91.3	91.8	91.9	91.9
IV 0		54.3	62.3	70.4	77.9	81.2	85.8	88.6	89.3	90.8	91.3	91.3	91.3	91.8	91.9	91.9

TOTAL NUMBER OF OBSERVATIONS 3324

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING		26.9	29.8	32.6	34.4	35.4	36.4	36.8	36.9	37.0	37.1	37.2	37.2	37.2	37.2	37.2
≥ 20000		32.4	36.0	39.7	41.8	43.3	44.6	45.2	45.6	45.7	45.8	45.8	45.8	45.8	45.8	45.8
IV 18000		32.6	36.2	40.0	42.1	43.5	44.9	45.5	45.6	45.9	46.0	46.0	46.0	46.0	46.0	46.0
IV 16000		32.6	36.2	40.0	42.2	43.6	44.9	45.5	45.7	46.0	46.1	46.1	46.1	46.1	46.1	46.1
IV 14000		32.9	36.6	40.4	42.5	44.1	45.5	46.1	46.2	46.5	46.6	46.6	46.6	46.6	46.6	46.6
IV 12000		34.4	38.3	42.5	44.9	46.6	48.3	48.9	49.0	49.3	49.4	49.4	49.4	49.4	49.4	49.4
IV 10000		36.0	40.1	44.6	47.4	49.2	51.0	51.7	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4
IV 9000		37.8	42.2	47.3	50.5	52.5	54.4	55.1	55.3	55.7	55.8	55.8	55.8	55.8	55.8	55.8
IV 8000		40.4	45.3	51.1	54.7	56.6	59.0	59.8	60.0	60.4	60.5	60.5	60.5	60.5	60.5	60.5
IV 7000		42.2	47.6	53.6	57.4	59.5	62.2	62.9	63.1	63.6	63.7	63.7	63.7	63.7	63.7	63.7
IV 6000		44.3	49.5	56.1	60.3	62.5	65.3	66.2	66.4	66.8	66.9	67.0	67.0	67.0	67.0	67.0
IV 5000		46.8	52.6	59.4	64.0	66.5	69.5	70.3	70.5	71.1	71.1	71.2	71.2	71.2	71.2	71.2
IV 4500		48.0	54.1	61.0	65.8	68.3	71.4	72.2	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1
IV 4000		50.1	56.4	63.6	68.6	71.1	74.2	75.1	75.3	75.8	76.0	76.0	76.0	76.0	76.0	76.0
IV 3500		52.2	58.7	65.9	71.1	73.8	77.0	77.9	78.1	78.6	78.8	78.8	78.8	78.8	78.8	78.8
IV 3000		56.0	62.8	70.2	75.5	78.5	81.9	82.9	83.1	83.7	83.8	83.9	83.9	83.9	83.9	83.9
IV 2500		58.9	65.1	73.9	79.7	82.6	86.1	87.1	87.6	88.1	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000		61.2	69.2	77.4	83.6	86.6	90.2	91.4	91.9	92.4	92.6	92.6	92.6	92.6	92.6	92.6
IV 1800		61.7	69.7	78.2	84.4	87.3	91.3	92.4	92.9	93.4	93.6	93.6	93.6	93.6	93.6	93.6
IV 1500		62.3	70.8	79.7	86.0	89.2	93.0	94.2	94.8	95.3	95.5	95.5	95.5	95.5	95.5	95.5
IV 1200		62.6	70.9	80.2	86.7	89.9	94.0	95.2	95.8	96.5	96.6	96.6	96.6	96.6	96.6	96.6
IV 1000		62.7	71.1	80.5	87.0	90.3	94.5	95.8	96.4	97.0	97.2	97.2	97.2	97.2	97.2	97.2
IV 900		62.7	71.2	80.6	87.1	90.5	94.7	96.0	96.6	97.2	97.4	97.4	97.4	97.4	97.4	97.4
IV 800		62.8	71.2	80.6	87.2	90.7	95.0	96.3	96.9	97.5	97.8	97.8	97.8	97.8	97.8	97.8
IV 700		62.8	71.2	80.6	87.2	90.8	95.1	96.4	97.0	97.6	97.9	97.9	97.9	97.9	97.9	97.9
IV 600		62.8	71.2	80.6	87.2	90.9	95.2	96.5	97.1	97.7	98.0	98.0	98.0	98.0	98.0	98.0
IV 500		62.8	71.2	80.6	87.2	91.0	95.3	96.6	97.2	97.8	98.1	98.1	98.1	98.1	98.1	98.1
IV 400		62.8	71.2	80.6	87.2	91.0	95.4	96.7	97.3	97.9	98.2	98.2	98.2	98.2	98.2	98.2
IV 300		62.8	71.2	80.6	87.2	91.0	95.4	96.7	97.3	97.9	98.2	98.2	98.2	98.2	98.2	98.2
IV 200		62.8	71.2	80.6	87.2	91.0	95.4	96.7	97.3	97.9	98.2	98.2	98.2	98.2	98.2	98.2
IV 100		62.8	71.2	80.6	87.2	91.0	95.4	96.7	97.3	97.9	98.2	98.2	98.2	98.2	98.2	98.2
IV 0		62.8	71.2	80.6	87.2	91.0	95.4	96.7	97.3	97.9	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS

2225

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

40-70  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.7	≥0.5	≥0.4	≥0.3	≥0.25	≥0.2	≥0
NO CEILING ≥ 20000		25.9	26.9	28.4	28.9	29.2	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
IV 18000		35.3	36.6	32.8	39.3	39.6	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
IV 16000		35.7	37.1	39.3	39.8	40.1	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 14000		35.8	37.2	39.4	40.0	40.3	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
IV 12000		37.0	38.4	40.7	41.2	41.6	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
IV 10000		38.8	40.2	42.8	43.3	43.9	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 9000		41.4	43.3	45.9	46.6	47.1	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 8000		43.3	45.3	48.4	49.1	49.6	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 7000		47.7	50.1	53.4	54.2	54.9	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 6000		50.6	53.4	56.8	57.7	58.4	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 5000		52.8	55.7	59.2	60.3	61.0	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 4500		58.3	61.7	65.3	66.7	67.5	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 4000		60.9	64.7	68.3	69.6	70.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 3500		66.4	70.3	74.3	76.0	77.0	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 3000		71.6	75.7	80.2	81.8	83.0	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 2500		76.7	81.1	86.0	87.8	88.9	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 2000		80.1	84.7	89.7	91.7	92.9	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1800		82.0	86.8	92.0	94.2	95.6	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1500		82.1	86.9	92.3	94.6	95.9	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1200		82.6	87.5	93.1	95.6	96.9	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000		82.8	87.9	93.5	96.2	97.6	98.6	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900		82.9	88.0	93.5	96.3	97.8	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800		83.0	88.0	93.6	96.4	97.9	98.9	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700		83.1	88.1	93.8	96.6	98.0	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600		83.1	88.1	93.8	96.6	98.0	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500		83.1	88.1	93.8	96.6	98.0	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400		83.1	88.1	93.8	96.6	98.0	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300		83.1	88.1	93.8	96.6	98.0	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200		83.1	88.1	93.8	96.6	98.0	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100		83.1	88.1	93.8	96.6	98.0	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0		83.1	88.1	93.8	96.6	98.0	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 2225

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

AVE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1½	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING		29.3	30.2	30.4	30.8	30.9	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
IV 20000		39.9	41.1	41.4	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 18000		40.6	41.8	42.2	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 16000		40.9	42.1	42.5	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IV 14000		41.7	42.9	43.4	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV 12000		44.3	45.7	46.2	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 10000		46.3	49.9	50.5	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 9000		51.4	53.7	53.8	54.3	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 8000		57.2	59.2	60.0	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 7000		62.1	64.8	65.2	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 6000		65.5	68.0	69.1	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 5000		72.2	74.8	76.0	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 4500		76.2	78.9	80.1	81.1	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 4000		81.2	84.2	85.3	86.6	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 3500		85.3	88.6	90.3	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 3000		88.3	91.7	93.6	94.8	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 2500		89.5	93.1	95.1	96.3	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 2000		90.6	94.2	96.3	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1800		90.6	94.4	96.4	97.9	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1500		90.6	94.6	96.7	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200		90.6	94.7	96.9	98.6	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000		90.7	94.8	96.9	98.7	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900		90.7	94.8	97.0	98.8	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800		90.7	94.8	97.0	98.8	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700		90.7	94.8	97.0	98.9	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600		90.7	94.8	97.0	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500		90.7	94.8	97.0	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400		90.7	94.8	97.0	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300		90.7	94.8	97.0	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200		90.7	94.8	97.0	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100		90.7	94.8	97.0	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0		90.7	94.8	97.0	98.9	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2325



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010

WIESBADEN AB GERMANY

46-70

AVG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1600-2000  
LOCAL TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING		33.3	34.0	34.5	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
IV 20000		45.2	46.2	46.9	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 18000		45.8	46.8	47.6	47.8	47.8	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 16000		46.1	47.1	47.9	48.1	48.1	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 14000		47.5	48.5	49.3	49.5	49.5	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000		50.7	51.9	52.8	53.0	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 10000		55.5	56.8	57.7	58.0	58.1	58.2	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 9000		57.8	59.3	60.3	60.7	60.8	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 8000		63.5	65.3	66.6	67.1	67.2	67.4	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 7000		68.8	70.9	72.3	72.8	72.9	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 6000		73.9	76.1	77.4	78.1	78.3	78.5	78.7	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0
IV 5000		79.0	81.4	82.9	83.5	83.7	84.0	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 4500		81.9	84.5	86.0	86.6	86.8	87.1	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 4000		85.2	87.9	89.3	90.3	90.5	90.8	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3500		87.4	90.2	91.5	92.7	93.0	93.3	93.5	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 3000		89.6	92.5	94.2	95.1	95.3	95.7	95.9	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2
IV 2500		90.4	93.5	95.3	96.2	96.5	97.0	97.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5
IV 2000		91.0	94.1	96.0	97.1	97.5	98.0	98.2	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
IV 1800		91.0	94.1	96.1	97.3	97.6	98.1	98.4	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7
IV 1500		91.3	94.4	96.5	97.8	98.1	98.7	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200		91.3	94.5	96.7	98.1	98.4	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000		91.3	94.5	96.7	98.1	98.4	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900		91.3	94.6	96.8	98.1	98.5	99.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 800		91.3	94.6	96.8	98.1	98.5	99.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 700		91.3	94.6	96.8	98.1	98.5	99.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 600		91.3	94.6	96.8	98.1	98.5	99.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 500		91.3	94.6	96.8	98.1	98.5	99.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 400		91.3	94.6	96.8	98.1	98.5	99.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 300		91.3	94.6	96.8	98.1	98.5	99.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 200		91.3	94.6	96.8	98.1	98.5	99.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 100		91.3	94.6	96.8	98.1	98.5	99.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 0		91.3	94.6	96.8	98.1	98.5	99.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2310



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

89010 WIESBADEN AB GERMANY

40-70

ALG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING -FEET	VISIBILITY -STATUTE MILES-															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	43.3	44.6	45.5	45.7	45.9	45.9	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 18000	49.7	51.6	52.6	52.8	53.0	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 16000	49.8	51.6	52.7	52.9	53.0	53.2	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 14000	50.3	52.1	53.2	53.4	53.6	53.8	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 12000	52.0	53.9	54.9	55.2	55.4	55.6	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 10000	57.0	59.1	60.4	60.8	61.0	61.3	61.3	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 9000	60.1	62.6	63.9	64.4	64.5	64.8	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 8000	65.1	68.1	69.8	70.5	70.7	71.0	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 7000	69.9	73.3	75.1	75.8	76.0	76.4	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 6000	74.6	78.1	80.1	80.8	81.0	81.4	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 5000	78.9	82.9	85.1	85.8	86.2	86.7	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4500	80.8	84.9	87.2	88.0	88.4	88.9	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 4000	82.8	87.1	89.5	90.4	90.8	91.3	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 3500	84.2	88.6	91.2	92.2	92.6	93.4	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 3000	85.5	90.1	92.9	93.9	94.3	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 2500	86.3	91.0	93.8	94.9	95.3	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 2000	87.0	91.8	95.0	96.2	96.7	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1800	87.1	92.0	95.3	96.6	97.1	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1500	87.3	92.3	95.7	97.1	97.5	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1200	87.5	92.4	95.7	97.2	97.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	87.5	92.4	95.8	97.3	97.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 900	87.6	92.5	96.0	97.5	97.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	87.6	92.5	96.0	97.5	98.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	87.7	92.6	96.0	97.5	98.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	87.7	92.6	96.0	97.5	98.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	87.7	92.6	96.0	97.5	98.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	87.7	92.6	96.0	97.5	98.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	87.7	92.6	96.0	97.5	98.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	87.7	92.6	96.0	97.5	98.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	87.7	92.6	96.0	97.5	98.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	87.7	92.6	96.0	97.5	98.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 2279

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

3501C

WIESBADEN AB GERMANY

46-69

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	¼	≥ 0
NO CEILING ≥ 20000	40.5	44.3	47.3	50.3	51.8	53.4	54.1	54.4	55.1	55.3	55.4	55.5	55.6	55.8	55.8	55.8
IV 18000	42.8	46.6	50.4	53.4	55.0	56.6	57.4	57.8	58.5	58.7	58.8	59.0	59.2	59.2	59.2	59.2
IV 16000	42.8	46.9	50.5	53.5	55.1	56.7	57.3	57.9	58.3	58.8	58.9	59.1	59.3	59.3	59.3	59.3
IV 14000	43.0	47.1	50.7	53.7	55.3	57.0	57.8	58.1	58.8	59.1	59.1	59.3	59.3	59.3	59.3	59.3
IV 12000	43.8	47.9	51.7	54.8	56.5	58.1	58.9	59.2	59.9	60.2	60.3	60.6	60.7	60.7	60.7	60.7
IV 10000	46.2	50.7	54.7	58.3	60.1	61.8	62.8	63.1	63.8	64.1	64.1	64.3	64.5	64.5	64.5	64.5
IV 9000	47.9	52.7	57.0	60.7	62.3	64.4	65.4	65.7	66.4	66.7	66.7	66.9	67.1	67.1	67.1	67.1
IV 8000	51.7	56.7	61.2	65.3	67.2	69.1	70.0	70.4	71.1	71.4	71.4	71.6	71.8	71.8	71.8	71.8
IV 7000	54.6	60.0	64.7	68.9	70.8	72.8	73.8	74.1	74.8	75.1	75.2	75.4	75.6	75.6	75.6	75.6
IV 6000	57.3	63.0	67.9	72.3	74.2	76.2	77.2	77.3	78.3	78.6	78.6	78.8	79.0	79.0	79.0	79.0
IV 5000	60.2	66.2	71.4	76.0	78.0	80.1	81.1	81.3	82.3	82.5	82.6	82.8	83.0	83.0	83.0	83.0
IV 4500	61.3	67.7	73.0	77.7	79.6	81.8	83.0	83.4	84.1	84.4	84.4	84.6	84.9	84.9	84.9	84.9
IV 4000	63.0	69.4	74.9	79.8	81.8	84.0	85.1	85.3	86.3	86.6	86.6	86.8	87.1	87.1	87.1	87.1
IV 3500	64.3	70.9	77.0	82.0	84.1	86.3	87.4	87.8	88.8	88.8	88.9	89.1	89.4	89.4	89.4	89.4
IV 3000	65.9	72.6	78.9	84.2	86.3	88.6	89.7	90.2	90.9	91.2	91.3	91.5	91.8	91.8	91.8	91.8
IV 2500	67.4	74.3	80.8	86.2	88.4	90.6	91.8	92.3	93.1	93.3	93.4	93.6	93.9	93.9	93.9	93.9
IV 2000	68.8	76.0	82.7	88.2	90.3	92.5	93.7	94.2	95.3	95.7	95.8	96.0	96.3	96.3	96.3	96.3
IV 1800	69.1	76.3	83.1	88.7	90.9	93.4	94.7	95.2	96.0	96.2	96.3	96.5	96.8	96.8	96.8	96.8
IV 1500	69.2	76.4	83.4	89.2	91.4	94.1	95.6	96.2	96.9	97.2	97.3	97.5	97.7	97.7	97.7	97.7
IV 1200	69.3	76.6	83.6	89.3	91.8	94.6	96.2	96.8	97.3	97.8	97.9	98.1	98.3	98.3	98.3	98.3
IV 1000	69.3	76.7	83.8	89.7	92.0	94.8	96.4	97.0	97.7	98.0	98.1	98.3	98.6	98.6	98.6	98.6
IV 900	69.3	76.7	83.8	89.7	92.0	94.8	96.4	97.0	97.7	98.0	98.1	98.3	98.6	98.6	98.6	98.6
IV 800	69.4	76.7	83.9	89.8	92.1	94.9	96.5	97.2	97.9	98.2	98.3	98.5	98.8	98.8	98.8	98.8
IV 700	69.4	76.7	83.9	89.8	92.1	94.9	96.5	97.2	98.0	98.3	98.3	98.5	98.8	98.8	98.8	98.8
IV 600	69.4	76.7	83.9	89.8	92.1	94.9	96.5	97.2	98.1	98.4	98.4	98.6	98.9	98.9	98.9	98.9
IV 500	69.4	76.7	83.9	89.8	92.1	95.0	96.6	97.4	98.1	98.6	98.7	98.9	99.2	99.2	99.2	99.2
IV 400	69.4	76.7	83.9	89.8	92.1	95.0	96.6	97.3	98.3	98.7	98.7	98.9	99.4	99.4	99.4	99.4
IV 300	69.4	76.7	83.9	89.8	92.1	95.0	96.6	97.3	98.4	98.8	98.9	99.0	99.5	99.5	99.5	99.5
IV 200	69.4	76.7	83.9	89.8	92.1	95.0	96.6	97.3	98.5	98.9	99.0	99.1	99.6	99.6	99.6	99.6
IV 100	69.4	76.7	83.9	89.8	92.1	95.0	96.6	97.3	98.5	98.9	99.0	99.2	99.7	99.7	99.7	99.7
IV 0	69.4	76.7	83.9	89.8	92.1	95.0	96.6	97.3	98.5	98.9	99.0	99.2	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2159

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/NAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

YEAR

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS U.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING ≥ 20000		33.0	36.8	41.0	45.0	46.8	49.6	50.6	51.1	51.9	52.3	52.4	52.5	52.7	52.7	53.1
IV 18000		34.2	38.3	42.8	47.1	49.1	51.9	53.0	53.4	54.3	54.8	55.0	55.1	55.3	55.3	55.8
IV 16000		34.3	38.4	42.9	47.2	49.2	52.0	53.1	53.6	54.4	54.9	55.2	55.2	55.4	55.5	55.9
IV 14000		34.4	38.6	43.0	47.4	49.3	52.2	53.3	53.7	54.3	55.0	55.3	55.4	55.5	55.6	56.1
IV 12000		34.4	38.6	43.0	47.4	49.4	52.2	53.3	53.8	54.6	55.1	55.4	55.4	55.6	55.6	56.1
IV 10000		35.0	39.3	43.9	48.4	50.3	53.2	54.3	54.7	55.6	56.1	56.4	56.4	56.6	56.6	57.1
IV 9000		36.4	40.9	45.8	50.4	52.4	55.3	56.6	57.0	57.9	58.4	58.7	58.7	58.9	59.0	59.4
IV 8000		37.6	42.2	47.2	52.0	54.0	57.0	58.2	58.7	59.7	60.2	60.5	60.6	60.8	60.8	61.3
IV 7000		40.6	45.3	50.8	55.8	58.0	61.0	62.5	63.0	64.0	64.5	64.8	64.9	65.1	65.1	65.6
IV 6000		43.0	48.4	54.1	59.3	61.8	64.9	66.4	66.9	67.9	68.5	68.8	68.9	69.2	69.2	69.7
IV 5000		45.7	51.3	57.2	62.7	65.3	68.5	70.0	70.6	71.6	72.1	72.4	72.5	72.8	72.9	73.4
IV 4500		47.4	53.4	59.7	65.4	68.1	71.4	73.0	73.5	74.6	75.2	75.5	75.7	75.9	76.0	76.5
IV 4000		48.4	54.6	60.9	66.8	69.6	72.9	74.6	75.1	76.2	76.8	77.1	77.2	77.3	77.6	78.1
IV 3500		50.5	56.9	63.6	69.7	72.6	76.1	77.8	78.3	79.4	80.0	80.3	80.4	80.7	80.8	81.3
IV 3000		51.9	58.7	65.7	72.0	75.0	78.5	80.3	80.9	82.0	82.7	83.0	83.1	83.4	83.4	83.9
IV 2500		54.4	61.4	68.9	75.6	78.6	82.2	84.0	84.7	85.9	86.6	86.9	87.0	87.3	87.3	87.8
IV 2000		55.5	62.5	70.3	77.2	80.3	84.0	85.9	86.7	87.9	88.7	88.9	89.1	89.4	89.4	89.9
IV 1800		57.0	64.3	72.6	79.7	82.9	86.5	88.7	89.3	90.8	91.3	91.8	92.0	92.2	92.3	92.8
IV 1600		57.2	64.6	73.2	80.4	83.6	87.3	89.5	90.3	91.6	92.4	92.7	92.8	93.1	93.1	93.7
IV 1500		57.8	65.5	74.1	81.6	84.8	88.5	90.9	91.7	93.1	93.8	94.2	94.3	94.6	94.7	95.2
IV 1200		58.0	65.8	74.3	82.2	85.4	89.1	91.9	92.8	94.2	94.9	95.3	95.5	95.8	95.8	96.3
IV 1000		58.1	66.0	74.6	82.3	85.7	90.1	92.2	93.2	94.7	95.5	96.0	96.1	96.4	96.4	96.9
IV 900		58.1	66.0	74.6	82.3	85.7	90.1	92.2	93.2	94.8	95.6	96.0	96.2	96.4	96.5	97.0
IV 800		58.1	66.0	74.6	82.3	85.7	90.1	92.2	93.4	94.9	95.7	96.2	96.3	96.6	96.6	97.1
IV 700		58.2	66.0	74.7	82.4	85.8	90.3	92.3	93.4	95.0	95.8	96.3	96.4	96.7	96.7	97.2
IV 600		58.2	66.1	74.8	82.5	86.0	90.5	92.7	93.7	95.2	96.0	96.5	96.6	96.9	96.9	97.4
IV 500		58.2	66.1	74.8	82.5	86.0	90.6	92.8	93.8	95.4	96.2	96.7	96.8	97.1	97.1	97.6
IV 400		58.2	66.1	74.9	82.6	86.1	90.8	93.1	94.1	95.7	96.5	96.9	97.1	97.4	97.4	97.9
IV 300		58.2	66.1	75.0	82.7	86.2	90.9	93.2	94.2	95.9	96.7	97.1	97.3	97.6	97.6	98.2
IV 200		58.2	66.1	75.0	82.7	86.2	90.9	93.3	94.3	96.0	96.8	97.3	97.4	97.8	97.9	98.7
IV 100		58.2	66.1	75.0	82.7	86.2	90.9	93.3	94.3	96.0	96.8	97.3	97.5	98.0	98.1	99.0
IV 0		58.2	66.1	75.0	82.7	86.2	90.9	93.3	94.3	96.0	96.8	97.3	97.5	98.0	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 2169

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 MISSAUGEN AB GERMANY

46-70

YEAR

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥½	≥¼	≥0
NO CEILING		21.8	24.5	27.8	30.4	32.2	34.3	36.3	38.8	37.8	38.7	39.1	39.5	39.8	39.9	40.7
≥ 20000		23.8	27.1	30.8	33.9	35.8	38.3	40.6	41.2	42.8	42.6	43.9	44.4	44.8	44.8	48.5
IV 18000		23.9	27.2	31.0	34.1	36.0	38.5	40.8	41.3	42.8	43.8	44.2	44.7	45.0	45.1	46.2
IV 16000		23.9	27.2	31.0	34.1	36.0	38.5	40.8	41.3	42.8	43.8	44.2	44.7	45.0	45.1	46.2
IV 14000		24.0	27.3	31.2	34.4	36.3	38.8	41.1	41.7	43.1	44.1	44.3	45.0	45.3	45.4	46.5
IV 12000		24.8	28.3	32.4	35.6	37.6	40.2	42.5	43.2	44.6	45.7	46.0	46.5	46.9	47.0	48.1
IV 10000		25.6	29.4	33.8	37.6	39.6	42.8	45.3	46.0	47.6	48.7	49.0	49.6	50.0	50.1	51.4
IV 9000		26.3	30.4	35.0	39.1	41.4	44.5	47.2	48.0	49.7	50.9	51.3	51.9	52.4	52.4	53.6
IV 8000		26.4	32.6	37.7	42.3	44.8	48.1	51.0	52.0	53.8	55.2	55.6	56.3	56.8	56.8	58.3
IV 7000		29.6	34.1	39.9	44.8	47.4	51.0	54.0	55.1	57.2	58.6	59.0	59.6	60.2	60.3	61.8
IV 6000		31.0	35.9	42.0	47.3	50.0	53.9	57.1	58.1	60.2	61.6	62.1	62.8	63.3	63.4	65.0
IV 5000		32.9	38.1	44.5	50.4	53.1	57.3	60.6	61.8	64.0	65.9	66.0	66.6	67.2	67.3	68.9
IV 4500		34.2	39.7	46.4	52.3	55.0	59.4	62.7	63.5	66.1	67.8	68.2	68.8	69.3	69.5	71.1
IV 4000		35.7	41.4	48.5	54.9	57.8	62.3	65.9	67.2	69.5	71.1	71.6	72.2	72.8	72.9	74.5
IV 3500		37.4	43.4	51.1	57.7	60.8	65.3	69.1	70.4	72.8	74.4	74.9	75.6	76.1	76.2	77.9
IV 3000		38.8	45.0	52.9	59.7	62.9	68.0	71.6	73.0	75.4	77.0	77.6	78.3	78.8	78.9	80.6
IV 2500		40.2	46.6	54.8	62.1	65.3	70.7	74.5	75.9	78.4	80.0	80.5	81.3	81.9	82.0	83.6
IV 2000		41.1	48.0	56.7	64.4	68.0	73.8	77.9	79.4	82.0	83.8	84.4	85.2	85.8	86.0	87.6
IV 1800		41.2	48.1	57.0	64.8	68.5	74.4	78.5	80.0	82.7	84.5	85.2	86.0	86.6	86.8	88.4
IV 1500		41.5	48.6	57.8	65.8	69.7	75.8	80.2	81.7	84.4	86.4	87.0	88.0	88.5	88.7	90.4
IV 1200		41.8	48.9	58.5	66.7	70.7	76.9	81.3	82.9	85.6	87.6	88.3	89.2	89.8	90.0	91.7
IV 1000		41.8	49.1	58.8	67.0	71.1	77.4	81.8	83.5	86.4	88.6	89.2	90.2	90.8	91.0	92.8
IV 900		41.8	49.2	58.8	67.1	71.2	77.7	82.1	83.8	86.8	88.9	89.6	90.6	91.2	91.4	93.1
IV 800		41.9	49.2	58.9	67.2	71.3	77.9	82.3	84.1	87.1	89.2	90.0	91.0	91.6	91.9	93.6
IV 700		41.9	49.2	58.9	67.3	71.3	78.1	82.6	84.4	87.5	89.7	90.4	91.5	92.1	92.4	94.1
IV 600		41.9	49.2	59.0	67.4	71.6	78.3	82.8	84.7	87.8	90.0	90.7	91.8	92.5	92.7	94.4
IV 500		41.9	49.2	59.0	67.4	71.6	78.3	82.8	84.7	87.8	90.0	90.7	91.8	92.5	92.7	94.4
IV 400		41.9	49.2	59.0	67.4	71.6	78.3	82.8	84.7	87.8	90.0	90.7	91.8	92.5	92.7	94.4
IV 300		41.9	49.2	59.0	67.4	71.6	78.3	82.8	84.7	87.8	90.0	90.7	91.8	92.5	92.7	94.4
IV 200		41.9	49.2	59.0	67.4	71.6	78.3	82.8	84.7	87.8	90.0	90.7	91.8	92.5	92.7	94.4
IV 100		41.9	49.2	59.0	67.4	71.6	78.3	82.8	84.7	87.8	90.0	90.7	91.8	92.5	92.7	94.4
IV 0		41.9	49.2	59.0	67.5	71.6	78.4	83.1	85.1	88.3	90.6	91.4	92.7	93.8	94.1	100.0

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING		19.7	23.1	26.7	30.1	32.4	35.0	36.3	36.9	37.9	38.5	38.6	38.8	38.9	38.9	39.0
IV 20000		23.0	27.0	31.3	35.2	37.8	40.8	42.1	42.9	44.1	45.0	45.1	45.4	45.6	45.6	45.6
IV 18000		23.3	27.4	31.7	35.6	38.2	41.2	42.7	43.6	44.8	45.6	45.8	46.0	46.3	46.3	46.4
IV 16000		23.3	27.4	31.8	35.6	38.3	41.3	42.7	43.6	44.8	45.7	45.8	46.1	46.3	46.3	46.5
IV 14000		23.6	27.6	32.0	36.0	38.8	41.8	43.2	44.2	45.4	46.3	46.4	46.7	46.9	46.9	47.1
IV 12000		24.5	28.8	32.3	37.3	40.3	43.3	45.0	46.0	47.2	48.0	48.2	48.4	48.7	48.7	48.9
IV 10000		26.1	30.8	35.6	40.0	43.1	46.7	48.3	49.3	50.7	51.6	51.7	52.1	52.3	52.3	52.6
IV 9000		27.2	32.2	37.0	41.7	44.8	48.4	50.1	51.3	52.7	53.7	53.8	54.2	54.4	54.4	54.7
IV 8000		28.9	34.1	39.2	44.4	48.0	52.1	54.1	55.4	57.0	58.3	58.6	59.0	59.2	59.2	59.5
IV 7000		30.3	35.6	41.0	46.4	50.2	54.4	56.6	57.9	59.7	61.0	61.3	61.7	62.0	62.0	62.2
IV 6000		31.6	37.1	42.8	48.3	52.3	56.8	59.0	60.4	62.2	63.6	64.0	64.4	64.7	64.7	65.0
IV 5000		32.8	38.8	44.8	51.0	54.8	59.7	62.1	63.6	65.5	66.9	67.4	67.8	68.1	68.1	68.4
IV 4500		33.8	40.0	46.2	52.6	56.5	61.5	64.0	65.4	67.4	68.8	69.3	69.7	70.0	70.0	70.3
IV 4000		35.4	41.9	48.3	54.8	58.8	64.0	66.6	68.0	70.2	71.6	72.2	72.6	72.9	72.9	73.2
IV 3500		36.6	43.2	50.0	56.7	60.7	66.0	68.6	70.1	72.4	73.8	74.4	74.9	75.2	75.2	75.4
IV 3000		39.3	46.0	53.1	60.2	64.2	69.7	72.3	74.0	76.4	77.8	78.4	78.9	79.2	79.2	79.5
IV 2500		42.0	49.2	56.3	63.6	68.0	73.6	76.6	78.1	80.4	82.0	82.6	83.1	83.4	83.4	83.6
IV 2000		43.7	51.5	59.6	67.4	72.1	77.9	80.9	82.7	85.1	86.7	87.3	87.8	88.1	88.1	88.4
IV 1800		44.1	52.0	60.3	68.2	73.0	78.9	82.0	83.7	86.1	87.7	88.4	88.8	89.1	89.1	89.4
IV 1500		44.8	52.8	61.4	69.5	74.4	80.3	83.9	85.8	88.3	89.9	90.6	91.1	91.3	91.3	91.6
IV 1200		45.0	53.2	62.1	70.4	75.4	81.8	85.3	87.4	90.0	91.6	92.4	92.8	93.1	93.1	93.4
IV 1000		45.1	53.3	62.3	71.0	76.3	82.8	86.3	88.4	91.0	92.8	93.5	94.0	94.4	94.4	94.7
IV 900		45.1	53.3	62.3	71.0	76.3	82.8	86.3	88.4	91.0	92.8	93.5	94.0	94.4	94.4	94.7
IV 800		45.1	53.3	62.3	71.1	76.4	83.1	86.6	88.8	91.3	93.1	93.8	94.2	94.5	94.5	94.8
IV 700		45.1	53.3	62.3	71.1	76.4	83.1	86.6	88.8	91.3	93.1	93.8	94.2	94.5	94.5	94.8
IV 600		45.1	53.3	62.3	71.2	76.6	83.3	87.2	89.2	92.0	93.8	94.5	95.0	95.3	95.3	95.6
IV 500		45.1	53.3	62.3	71.2	76.6	83.3	87.2	89.2	92.0	93.8	94.5	95.0	95.3	95.3	95.6
IV 400		45.1	53.3	62.3	71.2	76.6	83.3	87.2	89.2	92.0	93.8	94.5	95.0	95.3	95.3	95.6
IV 300		45.1	53.3	62.3	71.2	76.6	83.3	87.2	89.2	92.0	93.8	94.5	95.0	95.3	95.3	95.6
IV 200		45.1	53.3	62.3	71.2	76.6	83.3	87.2	89.2	92.0	93.8	94.5	95.0	95.3	95.3	95.6
IV 100		45.1	53.3	62.3	71.2	76.6	83.3	87.2	89.2	92.0	93.8	94.5	95.0	95.3	95.3	95.6
IV 0		45.1	53.3	62.3	71.2	76.6	83.3	87.2	89.2	92.0	93.8	94.5	95.0	95.3	95.3	95.6

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

3501C WIESBADEN 44 GERMANY

46-72

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		24.8	26.6	30.7	33.0	34.4	36.1	37.1	37.2	37.4	37.5	37.5	37.5	37.5	37.5	37.6
≥ 20000		29.8	32.0	36.7	39.2	41.0	43.4	44.5	44.6	44.9	45.0	45.0	45.1	45.1	45.1	45.2
IV 13000		30.1	32.3	37.1	39.7	41.4	43.8	44.9	45.1	45.3	45.3	45.3	45.6	45.6	45.6	45.6
IV 16000		30.2	32.4	37.1	39.7	41.5	43.9	45.0	45.1	45.4	45.6	45.6	45.6	45.6	45.6	45.7
IV 14000		30.6	32.8	37.7	40.4	42.1	44.6	45.7	45.9	46.1	46.3	46.3	46.4	46.4	46.4	46.4
IV 12000		32.3	34.7	39.9	42.8	44.5	47.1	48.2	48.4	48.6	48.8	48.8	48.8	48.8	48.8	48.9
IV 10000		34.3	36.8	42.1	45.4	47.2	50.0	51.2	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.1
IV 9000		36.1	38.8	44.3	47.6	49.6	52.4	53.6	53.7	54.0	54.4	54.4	54.4	54.4	54.4	54.5
IV 8000		38.6	41.9	47.6	51.1	53.1	56.0	57.5	57.7	58.0	58.3	58.3	58.4	58.4	58.4	58.4
IV 7000		40.4	43.9	49.7	53.6	55.7	58.8	60.3	60.6	60.9	61.2	61.2	61.3	61.3	61.3	61.4
IV 6000		42.3	45.9	52.1	56.0	58.1	61.3	62.8	63.1	63.3	63.8	63.9	63.9	63.9	63.9	64.0
IV 5000		43.7	47.5	53.7	60.0	62.1	65.4	67.0	67.3	67.6	68.0	68.0	68.1	68.1	68.1	68.2
IV 4500		48.3	52.3	58.7	65.0	65.2	68.4	70.0	70.4	70.7	71.1	71.1	71.2	71.2	71.2	71.2
IV 4000		52.3	56.4	62.1	67.5	69.6	72.9	74.6	74.9	75.3	75.7	75.7	75.8	75.8	75.8	75.9
IV 3500		55.8	60.0	67.1	71.6	73.9	77.3	79.1	79.4	79.8	80.2	80.2	80.3	80.3	80.3	80.4
IV 3000		60.3	64.7	72.2	77.0	79.3	82.9	84.8	85.1	85.6	86.0	86.1	86.1	86.1	86.1	86.2
IV 2500		63.6	68.0	75.7	80.8	83.1	87.1	89.0	89.3	90.0	90.4	90.4	90.4	90.4	90.4	90.5
IV 2000		65.4	70.1	78.3	83.6	86.1	90.3	92.4	92.7	93.3	93.7	93.8	93.8	93.8	93.8	93.9
IV 1800		65.8	70.7	78.8	84.2	86.8	91.1	93.2	93.6	94.2	94.6	94.6	94.7	94.7	94.7	94.8
IV 1500		66.3	71.4	79.7	85.2	87.9	92.4	94.7	95.0	95.7	96.2	96.2	96.3	96.3	96.3	96.4
IV 1200		66.4	71.6	80.1	85.6	88.7	93.3	95.6	96.0	96.7	97.2	97.2	97.3	97.3	97.3	97.5
IV 1000		66.4	71.7	80.5	86.0	89.4	94.1	96.4	96.9	97.6	98.1	98.1	98.3	98.3	98.3	98.4
IV 900		66.4	71.7	80.5	86.0	89.4	94.1	96.4	96.9	97.6	98.1	98.1	98.3	98.3	98.3	98.4
IV 800		66.4	71.7	80.5	86.0	89.4	94.1	96.4	96.9	97.6	98.1	98.1	98.3	98.3	98.3	98.4
IV 700		66.4	71.7	80.5	86.0	89.4	94.1	96.4	96.9	97.6	98.1	98.1	98.3	98.3	98.3	98.4
IV 600		66.4	71.7	80.5	86.0	89.4	94.1	96.4	96.9	97.6	98.1	98.1	98.3	98.3	98.3	98.4
IV 500		66.4	71.7	80.5	86.0	89.4	94.1	96.4	96.9	97.6	98.1	98.1	98.3	98.3	98.3	98.4
IV 400		66.4	71.7	80.5	86.0	89.4	94.1	96.4	96.9	97.6	98.1	98.1	98.3	98.3	98.3	98.4
IV 300		66.4	71.7	80.5	86.0	89.4	94.1	96.4	96.9	97.6	98.1	98.1	98.3	98.3	98.3	98.4
IV 200		66.4	71.7	80.5	86.0	89.4	94.1	96.4	96.9	97.6	98.1	98.1	98.3	98.3	98.3	98.4
IV 100		66.4	71.7	80.5	86.0	89.4	94.1	96.4	96.9	97.6	98.1	98.1	98.3	98.3	98.3	98.4
IV 0		66.4	71.7	80.5	86.0	89.4	94.1	96.4	96.9	97.6	98.1	98.1	98.3	98.3	98.3	98.4

TOTAL NUMBER OF OBSERVATIONS

2250

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

3501C STATION: NIESHADEL AB GERMANY

46-70

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8
NO CEILING		30.4	32.8	35.0	36.9	37.7	38.4	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8
IV 20000		38.0	40.8	44.1	45.9	47.0	47.9	48.3	48.4	48.5	48.5	48.5	48.5	48.5	48.5
IV 18000		38.8	41.9	44.8	46.6	47.7	48.6	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 16000		38.8	41.9	45.0	46.8	47.9	48.8	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4
IV 14000		40.0	42.9	46.3	48.2	49.3	50.4	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0
IV 12000		42.2	45.1	48.7	50.8	51.9	53.0	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6
IV 10000		44.4	47.6	51.6	53.8	55.0	56.4	56.8	56.9	57.2	57.2	57.2	57.2	57.2	57.2
IV 9000		46.7	49.8	53.9	56.1	57.6	59.0	59.6	59.7	60.0	60.0	60.0	60.0	60.0	60.0
IV 8000		49.6	53.1	57.4	59.8	61.2	62.9	63.5	63.6	63.9	64.0	64.0	64.0	64.0	64.0
IV 7000		52.2	56.0	60.5	62.8	64.3	66.1	66.8	66.9	67.2	67.3	67.3	67.3	67.3	67.3
IV 6000		55.2	59.4	64.0	66.5	68.0	69.9	70.5	70.7	70.9	71.0	71.0	71.0	71.0	71.0
IV 5000		60.0	64.3	69.2	71.8	73.3	75.3	76.0	76.2	76.4	76.5	76.5	76.5	76.5	76.5
IV 4500		63.0	67.4	72.4	75.2	76.6	78.3	78.9	79.3	79.5	79.6	79.6	79.6	79.6	79.6
IV 4000		67.4	72.3	77.5	80.4	81.9	84.0	84.7	84.9	85.1	85.2	85.2	85.2	85.2	85.2
IV 3500		70.4	75.4	80.8	83.9	85.3	87.6	88.2	88.4	88.7	88.8	88.8	88.8	88.8	88.8
IV 3000		72.9	78.3	83.9	87.0	88.5	90.8	91.4	91.6	92.0	92.1	92.1	92.1	92.1	92.1
IV 2500		74.3	80.0	85.8	89.2	90.8	93.1	93.8	94.0	94.4	94.5	94.6	94.6	94.6	94.6
IV 2000		75.4	81.2	87.5	91.2	92.7	95.1	95.8	96.0	96.4	96.6	96.6	96.6	96.6	96.6
IV 1800		75.6	81.4	87.7	91.5	93.1	95.6	96.2	96.4	96.8	97.0	97.0	97.0	97.0	97.0
IV 1500		75.8	81.9	88.3	92.2	93.9	96.4	97.2	97.4	97.8	98.0	98.0	98.0	98.0	98.0
IV 1200		76.0	82.0	88.5	92.7	94.5	97.1	98.0	98.3	98.8	99.0	99.0	99.0	99.0	99.0
IV 1000		76.0	82.0	88.5	92.9	94.5	97.2	98.3	98.6	99.1	99.3	99.3	99.3	99.4	99.4
IV 900		76.0	82.0	88.5	92.9	94.5	97.2	98.3	98.6	99.1	99.3	99.3	99.4	99.4	99.4
IV 800		76.0	82.0	88.5	92.9	94.5	97.2	98.3	98.6	99.2	99.4	99.4	99.6	99.6	99.6
IV 700		76.0	82.0	88.5	92.9	94.5	97.3	98.4	98.7	99.3	99.5	99.5	99.8	99.8	99.8
IV 600		76.0	82.0	88.5	92.9	94.5	97.3	98.4	98.7	99.3	99.5	99.5	99.8	99.9	99.9
IV 500		76.0	82.0	88.5	92.9	94.5	97.3	98.5	98.8	99.4	99.6	99.6	100.0	100.0	100.0
IV 400		76.0	82.0	88.5	92.9	94.5	97.3	98.5	98.8	99.4	99.6	99.6	100.0	100.0	100.0
IV 300		76.0	82.0	88.5	92.9	94.5	97.3	98.5	98.8	99.4	99.6	99.6	100.0	100.0	100.0
IV 200		76.0	82.0	88.5	92.9	94.5	97.3	98.5	98.8	99.4	99.6	99.6	100.0	100.0	100.0
IV 100		76.0	82.0	88.5	92.9	94.5	97.3	98.5	98.8	99.4	99.6	99.6	100.0	100.0	100.0
IV 0		76.0	82.0	88.5	92.9	94.5	97.3	98.5	98.8	99.4	99.6	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2250



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

38010 WIESBADEN AB GERMANY  
STATION STATION NAME

48-70

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (GMT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		35.3	38.2	41.2	43.0	43.7	44.4	44.7	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 20000		42.7	45.9	49.1	51.4	52.1	53.2	53.6	53.8	54.2	54.3	54.3	54.3	54.3	54.3	54.3
≥ 18000		42.9	46.2	49.4	51.7	52.4	53.5	54.0	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 16000		43.0	46.3	49.5	51.8	52.6	53.6	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 14000		43.7	47.1	50.3	52.9	53.6	54.7	55.2	55.4	55.8	55.9	55.9	55.9	55.9	55.9	55.9
≥ 12000		45.3	48.7	52.3	54.6	55.4	56.5	57.0	57.2	57.6	57.7	57.7	57.7	57.7	57.7	57.7
≥ 10000		48.5	52.1	56.0	58.4	59.2	60.5	61.2	61.4	61.9	62.1	62.1	62.1	62.1	62.1	62.1
≥ 9000		51.2	54.9	59.1	61.6	62.4	63.9	64.5	64.8	65.3	65.5	65.5	65.5	65.5	65.5	65.5
≥ 8000		54.7	58.9	63.4	66.0	67.0	68.6	69.3	69.6	70.1	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000		57.3	61.9	66.6	69.2	70.2	71.9	72.7	73.0	73.5	73.7	73.7	73.7	73.7	73.7	73.7
≥ 6000		60.0	64.9	69.7	72.4	73.4	75.2	76.0	76.3	76.8	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000		63.6	68.7	73.7	76.4	77.6	79.3	80.3	80.8	81.4	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4500		65.8	71.0	76.1	78.9	80.1	82.1	83.1	83.4	84.0	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4000		69.9	75.3	80.5	83.3	84.8	86.9	87.9	88.3	88.8	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3500		71.8	77.5	82.8	85.9	87.2	89.4	90.4	90.8	91.4	91.6	91.7	91.7	91.7	91.7	91.7
≥ 3000		73.5	79.4	85.0	88.2	89.5	91.8	92.9	93.4	94.0	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2500		74.3	80.5	86.2	89.5	90.9	93.3	94.3	95.0	95.5	95.9	95.9	95.9	95.9	95.9	95.9
≥ 2000		75.3	81.6	87.6	91.0	92.4	95.0	96.1	96.6	97.2	97.5	97.6	97.6	97.6	97.6	97.6
≥ 1800		75.4	81.8	87.8	91.3	92.7	95.3	96.3	97.0	97.6	97.9	98.0	98.0	98.0	98.0	98.0
≥ 1500		75.7	82.1	88.2	91.7	93.2	95.9	97.3	97.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200		75.7	82.1	88.2	91.7	93.2	95.9	97.3	97.8	98.3	98.8	98.9	98.9	98.9	98.9	98.9
≥ 1000		75.7	82.1	88.2	91.7	93.2	95.9	97.3	97.8	98.3	98.8	98.9	98.9	98.9	98.9	98.9
≥ 900		75.7	82.1	88.2	91.7	93.2	95.9	97.3	97.8	98.3	98.8	98.9	98.9	98.9	98.9	98.9
≥ 800		75.7	82.1	88.2	91.7	93.2	95.9	97.3	97.8	98.3	98.8	98.9	98.9	98.9	98.9	98.9
≥ 700		75.7	82.1	88.2	91.7	93.2	95.9	97.3	97.8	98.3	98.8	98.9	98.9	98.9	98.9	98.9
≥ 600		75.7	82.1	88.2	91.7	93.2	95.9	97.3	97.8	98.3	98.8	98.9	98.9	98.9	98.9	98.9
≥ 500		75.7	82.1	88.2	91.7	93.2	95.9	97.3	97.8	98.3	98.8	98.9	98.9	98.9	98.9	98.9
≥ 400		75.7	82.1	88.2	91.7	93.2	95.9	97.3	97.8	98.3	98.8	98.9	98.9	98.9	98.9	98.9
≥ 300		75.7	82.1	88.2	91.7	93.2	95.9	97.3	97.8	98.3	98.8	98.9	98.9	98.9	98.9	98.9
≥ 200		75.7	82.1	88.2	91.7	93.2	95.9	97.3	97.8	98.3	98.8	98.9	98.9	98.9	98.9	98.9
≥ 100		75.7	82.1	88.2	91.7	93.2	95.9	97.3	97.8	98.3	98.8	98.9	98.9	98.9	98.9	98.9
≥ 0		75.7	82.1	88.2	91.7	93.2	95.9	97.3	97.8	98.3	98.8	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 2220



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

3501C WIESBADEN AB GERMANY

46-69

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS U.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING		42.5	46.0	46.7	51.0	52.2	53.4	53.6	53.8	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000		45.5	49.8	52.8	55.2	56.5	57.8	58.3	58.5	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 18000		45.8	50.1	53.1	55.6	56.8	58.1	58.6	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 16000		45.9	50.2	53.2	55.7	56.9	58.2	58.7	59.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 14000		46.4	50.9	53.9	56.4	57.6	59.0	59.5	59.7	60.2	60.3	60.3	60.3	60.3	60.3	60.3
IV 12000		47.4	52.0	55.0	57.6	58.8	60.2	60.7	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 10000		51.5	56.4	59.7	62.6	63.8	65.3	65.9	66.1	66.6	66.7	66.7	66.7	66.7	66.7	66.7
IV 9000		54.1	58.9	62.4	65.4	66.7	68.2	69.0	69.2	69.8	69.8	69.9	69.9	69.9	69.9	69.9
IV 8000		58.1	63.4	67.3	70.4	71.8	73.5	74.3	74.5	75.1	75.2	75.2	75.2	75.2	75.2	75.2
IV 7000		61.8	67.4	71.4	74.8	76.2	78.0	78.8	79.1	79.7	79.7	79.7	79.8	79.8	79.8	79.8
IV 6000		63.9	69.9	74.0	77.5	78.9	80.7	81.3	81.8	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 5000		67.3	73.4	77.8	81.6	82.8	84.8	85.7	85.9	86.3	86.3	86.6	86.6	86.6	86.6	86.6
IV 4500		68.1	74.4	78.8	82.5	83.9	85.9	87.1	87.3	87.9	88.0	88.0	88.0	88.0	88.0	88.0
IV 4000		70.3	76.7	81.3	85.1	86.6	88.8	89.9	90.2	90.8	90.8	90.8	90.9	90.9	90.9	90.9
IV 3500		71.7	78.2	82.9	86.8	88.4	90.6	91.8	92.0	92.6	92.7	92.7	92.7	92.7	92.7	92.7
IV 3000		72.6	79.4	84.2	88.2	89.9	92.5	93.7	93.9	94.5	94.5	94.5	94.6	94.6	94.6	94.6
IV 2500		73.6	80.5	85.3	89.4	91.5	94.0	95.3	95.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 2000		74.4	81.4	86.7	91.1	92.8	95.2	96.6	96.9	97.5	97.5	97.5	97.6	97.6	97.6	97.6
IV 1800		74.5	81.6	86.8	91.2	93.0	95.5	96.8	97.1	97.7	97.7	97.7	97.8	97.8	97.8	97.8
IV 1500		74.8	81.9	87.2	91.7	93.4	95.9	97.3	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IV 1200		75.0	82.1	87.4	91.8	93.6	96.2	97.6	97.9	98.6	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000		75.0	82.3	87.6	92.1	93.8	96.3	98.0	98.3	99.0	99.0	99.0	99.1	99.1	99.1	99.1
IV 900		75.0	82.3	87.7	92.2	93.9	96.5	98.1	98.4	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 800		75.0	82.3	87.7	92.2	93.9	96.7	98.1	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV 700		75.0	82.3	87.7	92.2	93.9	96.7	98.2	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 600		75.0	82.3	87.7	92.2	93.9	96.7	98.2	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 500		75.0	82.3	87.7	92.2	93.9	96.7	98.2	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 400		75.0	82.3	87.7	92.2	93.9	96.7	98.2	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 300		75.0	82.3	87.7	92.2	93.9	96.7	98.2	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 200		75.0	82.3	87.7	92.2	93.9	96.7	98.2	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 100		75.0	82.3	87.7	92.2	93.9	96.7	98.2	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 0		75.0	82.3	87.7	92.2	93.9	96.7	98.2	98.5	99.3	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 2159

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010

RIESBADEN AB GERMANY

46-70

YEARS

CI

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING		25.6	29.3	33.8	37.4	38.6	41.5	42.7	43.3	44.4	45.0	45.2	45.8	46.0	46.1	46.5
≥ 20000		27.2	31.0	35.6	39.5	40.7	43.7	45.1	45.6	46.7	47.4	47.6	48.1	48.4	48.5	49.4
IV 18000		27.2	31.0	35.6	39.5	40.7	43.7	45.1	45.6	46.7	47.4	47.6	48.1	48.4	48.5	49.4
IV 16000		27.2	31.0	35.6	39.5	40.7	43.7	45.1	45.6	46.7	47.4	47.6	48.1	48.4	48.5	49.4
IV 14000		27.4	31.3	35.9	39.8	41.0	44.0	45.4	45.9	47.0	47.7	47.9	48.4	48.7	48.8	49.7
IV 12000		27.9	31.8	36.4	40.4	41.7	44.7	46.0	46.6	47.7	48.4	48.6	49.1	49.4	49.5	50.3
IV 10000		29.5	33.5	38.3	42.4	43.8	47.1	48.5	49.1	50.3	51.1	51.3	51.9	52.2	52.2	53.1
IV 9000		30.4	34.5	39.3	43.7	45.1	48.4	50.0	50.6	51.9	52.7	53.0	53.5	53.8	53.9	54.7
IV 8000		32.6	37.0	42.2	46.9	48.4	51.8	53.4	54.1	55.4	56.4	56.6	57.2	57.6	57.6	58.5
IV 7000		34.3	38.9	44.4	49.2	50.7	54.1	55.8	56.5	57.9	58.9	59.2	59.8	60.1	60.2	61.1
IV 6000		36.0	40.8	46.4	51.4	53.0	56.4	58.2	58.9	60.4	61.4	61.7	62.3	62.6	62.7	63.6
IV 5000		37.6	42.6	48.4	53.7	55.3	58.8	60.6	61.4	62.8	64.0	64.3	64.9	65.3	65.4	66.3
IV 4500		39.3	44.6	50.6	56.2	58.0	61.6	63.6	64.3	65.8	67.0	67.4	68.0	68.4	68.5	69.4
IV 4000		41.2	46.8	53.3	59.2	61.1	64.7	66.9	67.7	69.3	70.5	70.9	71.5	72.0	72.1	73.0
IV 3500		43.0	49.1	55.7	61.7	63.6	67.4	69.7	70.4	72.1	73.4	73.7	74.4	75.0	75.1	76.0
IV 3000		44.9	51.4	58.3	64.6	66.6	70.6	73.0	73.7	75.3	76.7	77.1	77.8	78.3	78.5	79.4
IV 2500		47.4	54.4	61.4	68.1	70.1	74.2	76.7	77.4	79.3	80.9	81.3	82.0	82.6	82.7	83.7
IV 2000		48.8	56.1	63.6	70.4	72.4	76.9	79.4	80.1	82.1	83.7	84.1	84.9	85.4	85.6	86.6
IV 1800		48.9	56.3	64.0	70.9	72.5	77.3	80.1	80.8	82.8	84.4	84.8	85.6	86.2	86.3	87.3
IV 1500		49.7	57.3	65.4	72.5	74.5	79.3	82.1	82.9	85.0	86.6	87.0	87.8	88.4	88.5	89.5
IV 1200		50.2	58.2	66.5	73.8	75.9	80.9	83.8	84.6	86.7	88.3	88.7	89.6	90.1	90.2	91.2
IV 1000		50.3	58.3	66.8	74.2	76.6	81.6	84.5	85.4	87.7	89.2	89.7	90.6	91.1	91.3	92.3
IV 900		50.3	58.3	66.8	74.3	76.6	81.7	84.7	85.5	87.8	89.4	89.9	90.8	91.3	91.5	92.4
IV 800		50.3	58.3	66.8	74.4	76.7	81.9	84.8	85.7	88.0	89.6	90.1	91.0	91.5	91.7	92.7
IV 700		50.3	58.3	66.8	74.4	76.7	82.1	85.1	85.9	88.2	90.0	90.5	91.4	91.9	92.1	93.1
IV 600		50.3	58.3	66.8	74.6	76.7	82.1	85.1	85.9	88.3	90.1	90.6	91.5	92.1	92.2	93.3
IV 500		50.3	58.4	67.0	74.6	76.9	82.3	85.7	86.5	88.9	90.8	91.3	92.3	92.9	93.0	94.1
IV 400		50.3	58.4	67.0	74.6	77.0	82.3	85.7	86.6	89.1	90.9	91.7	92.7	93.4	93.5	94.6
IV 300		50.3	58.4	67.0	74.6	77.0	82.3	85.7	86.6	89.1	91.0	91.8	93.0	93.7	93.9	95.1
IV 200		50.3	58.4	67.0	74.6	77.0	82.3	85.8	86.7	89.3	91.2	92.0	93.2	94.2	94.3	95.9
IV 100		50.3	58.4	67.0	74.6	77.0	82.3	85.8	86.7	89.3	91.2	92.0	93.2	94.2	94.4	96.8
IV 0		50.3	58.4	67.0	74.6	77.0	82.3	85.8	86.7	89.3	91.2	92.0	93.4	94.3	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS

2316

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 GIESSEN AB GERMANY

48-70

SGT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING -FEET-	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		21.5	25.4	28.0	31.7	33.1	35.4	37.8	38.2	39.7	40.2	40.4	40.9	41.2	41.5	42.7
≥ 20000		22.8	26.9	29.5	33.3	34.7	37.0	39.4	40.0	41.4	42.0	42.2	42.6	43.1	43.3	44.6
IV 18000		22.8	26.9	29.5	33.4	34.8	37.0	39.4	40.0	41.5	42.0	42.2	42.7	43.1	43.4	44.7
IV 16000		22.8	27.0	29.6	33.4	34.8	37.1	39.5	40.1	41.5	42.1	42.3	42.7	43.2	43.4	44.8
IV 14000		22.8	27.0	29.6	33.4	34.8	37.1	39.5	40.1	41.5	42.1	42.3	42.7	43.2	43.4	44.8
IV 12000		23.2	27.6	30.2	34.1	35.5	37.9	40.3	40.9	42.3	42.9	43.1	43.6	44.0	44.2	45.6
IV 10000		24.0	28.5	31.5	35.4	37.0	39.4	41.8	42.4	43.9	44.5	44.7	45.1	45.6	46.0	47.3
IV 9000		24.7	29.3	32.3	36.3	37.9	40.4	43.0	43.7	45.2	45.8	46.0	46.5	47.0	47.4	48.8
IV 8000		26.5	31.2	34.4	38.6	40.4	43.0	45.8	46.5	48.2	48.8	49.0	49.5	50.1	50.5	51.9
IV 7000		27.9	32.7	36.3	40.6	42.4	45.1	47.9	48.7	50.4	51.1	51.3	51.7	52.3	52.8	54.2
IV 6000		29.1	34.3	38.1	42.8	44.8	47.6	50.4	51.3	53.0	53.6	53.9	54.4	54.9	55.4	56.8
IV 5000		31.2	36.5	40.5	45.3	47.6	50.7	53.6	54.5	56.4	57.1	57.4	57.9	58.4	58.9	60.3
IV 4000		31.7	38.0	42.0	47.1	49.3	52.8	55.7	56.6	58.6	59.4	59.6	60.2	60.8	61.3	62.7
IV 3500		34.2	40.1	44.5	49.8	52.1	55.8	58.7	59.7	61.8	62.7	63.0	63.5	64.2	64.6	66.1
IV 3000		35.9	42.1	46.7	52.4	54.8	58.4	61.4	62.4	64.6	65.5	65.7	66.3	67.0	67.4	68.9
IV 2500		37.3	43.9	48.6	54.6	57.1	61.1	64.2	65.2	67.6	68.5	68.7	69.3	70.0	70.5	72.0
IV 2000		39.7	46.6	51.9	58.3	61.0	65.1	68.4	69.4	71.8	72.9	73.1	73.7	74.4	74.9	76.5
IV 1800		42.1	49.6	55.3	62.1	64.8	69.2	72.6	73.6	76.1	77.3	77.6	78.2	78.9	79.4	80.9
IV 1500		42.3	50.0	55.6	62.5	65.2	69.8	73.2	74.3	76.8	78.1	78.4	79.0	79.7	80.3	81.8
IV 1200		43.1	51.2	57.4	64.7	67.4	72.4	76.0	77.1	79.6	80.9	81.2	81.9	82.7	83.2	84.7
IV 1000		43.4	51.9	58.1	65.8	68.7	74.0	77.5	78.6	81.3	82.7	83.0	83.7	84.5	85.0	86.5
IV 900		43.5	52.2	58.4	66.2	69.2	74.7	78.4	79.6	82.3	83.7	84.0	84.8	85.6	86.1	87.6
IV 800		43.6	52.4	58.6	66.4	69.3	75.0	78.7	80.0	82.6	84.1	84.4	85.2	86.0	86.5	88.1
IV 700		43.6	52.4	58.6	66.4	69.3	75.2	79.0	80.3	82.9	84.4	84.8	85.6	86.4	86.9	88.4
IV 600		43.6	52.5	58.7	66.6	69.6	75.4	79.1	80.5	83.1	84.6	85.1	85.9	86.7	87.2	88.8
IV 500		43.6	52.5	58.7	66.7	69.6	75.5	79.3	80.7	83.3	84.8	85.3	86.1	86.9	87.4	89.0
IV 400		43.6	52.5	58.8	66.8	69.7	75.6	79.5	81.0	83.7	85.2	85.6	86.4	87.2	87.7	89.3
IV 300		43.6	52.5	58.8	66.8	69.8	75.7	79.7	81.3	84.1	85.6	86.0	86.8	87.6	88.1	89.7
IV 200		43.6	52.5	58.8	66.8	69.8	75.7	79.8	81.5	84.2	85.7	86.1	86.9	87.7	88.2	89.8
IV 100		43.6	52.5	58.8	66.8	69.8	75.7	79.8	81.5	84.3	85.8	86.2	87.0	87.8	88.3	89.9
IV 0		43.6	52.5	58.8	66.8	69.8	75.7	79.8	81.5	84.4	85.9	86.3	87.1	87.9	88.4	90.0

TOTAL NUMBER OF OBSERVATIONS 2319

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

TAPE

660-0802

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

660-0802

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING ≥ 20000		14.8	17.1	19.0	21.8	23.1	25.1	26.2	26.8	27.6	28.5	28.9	29.4	29.8	30.1	32.1
≥ 18000		15.4	19.1	21.9	24.4	25.8	28.1	29.3	30.0	30.9	31.9	32.4	33.0	33.4	33.7	35.8
IV 16000		16.5	19.1	22.0	24.6	25.9	28.3	29.5	30.2	31.1	32.1	32.6	33.1	33.6	33.9	36.1
IV 14000		16.9	19.5	22.4	25.0	26.4	28.7	29.9	30.6	31.5	32.5	33.0	33.6	34.0	34.3	36.5
IV 12000		17.2	19.8	22.8	25.4	26.8	29.1	30.3	31.0	32.0	32.9	33.5	34.0	34.5	34.8	37.0
IV 10000		17.9	20.6	23.6	26.3	27.7	30.2	31.4	32.2	33.3	34.3	34.9	35.5	36.1	36.4	38.6
IV 9000		18.4	21.2	24.4	27.2	28.7	31.5	32.9	33.7	34.9	35.9	36.5	37.3	37.9	38.3	40.5
IV 8000		19.8	23.0	26.5	29.4	31.2	34.0	35.6	36.5	38.0	39.1	39.9	40.8	41.6	42.0	44.5
IV 7000		20.7	23.9	27.6	30.5	32.3	35.2	36.9	37.8	39.3	40.8	41.3	42.3	43.0	43.4	46.0
IV 6000		21.9	25.4	29.3	32.4	34.3	37.5	39.2	40.1	41.7	42.9	43.7	44.8	45.7	46.0	48.7
IV 5000		23.2	26.9	31.3	34.7	36.6	39.9	41.7	42.8	44.5	45.9	46.7	47.9	48.8	49.2	51.9
IV 4500		24.6	28.6	33.3	37.0	38.9	42.4	44.3	45.4	47.3	48.7	49.6	50.9	51.9	52.3	54.9
IV 4000		25.9	30.0	35.3	39.3	41.3	45.0	47.0	48.3	50.2	51.6	52.6	53.9	55.0	55.4	58.1
IV 3500		26.9	31.5	37.2	41.6	43.8	47.7	49.7	51.0	53.0	54.5	55.5	56.8	58.0	58.4	61.2
IV 3000		28.7	33.6	39.7	44.2	46.4	50.7	52.8	54.2	56.3	58.0	59.0	60.4	61.6	62.0	64.8
IV 2500		30.2	35.4	42.1	47.0	49.3	53.8	56.1	57.5	59.7	61.6	62.6	64.0	65.2	65.7	68.5
IV 2000		32.8	38.7	46.3	51.7	54.2	59.2	61.7	63.1	65.4	67.3	68.4	69.9	71.1	71.6	74.5
IV 1800		33.2	39.1	46.8	52.5	55.2	60.4	63.0	64.5	66.9	68.8	70.0	71.5	72.8	73.3	76.2
IV 1500		34.0	40.2	48.2	54.2	57.1	62.5	65.2	66.9	69.4	71.4	72.5	74.1	75.4	75.9	78.7
IV 1200		34.3	40.8	49.1	55.3	58.6	64.2	67.0	68.7	71.4	73.5	74.7	76.3	77.6	78.2	81.1
IV 1000		34.4	40.9	49.4	55.8	59.1	64.9	67.9	69.6	72.4	74.6	75.8	77.6	78.9	79.4	82.4
IV 900		34.4	41.0	49.4	55.9	59.2	65.0	68.1	69.8	72.7	74.9	76.1	77.9	79.2	79.7	82.7
IV 800		34.4	41.0	49.5	56.1	59.3	65.2	68.3	70.1	73.0	75.3	76.5	78.3	79.7	80.3	83.2
IV 700		34.4	41.0	49.6	56.2	59.5	65.4	68.5	70.3	73.2	75.6	76.8	78.6	80.0	80.6	83.5
IV 600		34.3	41.1	49.6	56.2	59.5	65.4	68.5	70.3	73.3	75.8	77.1	79.0	80.4	81.0	84.0
IV 500		34.3	41.1	49.7	56.3	59.6	65.7	68.8	70.9	74.1	76.6	77.9	79.9	81.4	82.0	85.0
IV 400		34.3	41.1	49.7	56.3	59.6	65.7	68.8	71.0	74.3	76.8	78.1	80.3	82.1	82.8	85.9
IV 300		34.3	41.1	49.7	56.3	59.7	65.8	69.0	71.1	74.7	77.4	78.7	80.9	82.8	83.6	87.6
IV 200		34.3	41.1	49.7	56.3	59.7	65.9	69.1	71.3	74.8	77.5	78.9	81.2	83.3	84.4	90.2
IV 100		34.3	41.1	49.7	56.4	59.8	65.9	69.1	71.3	74.9	77.6	79.0	81.4	83.7	84.7	93.1
IV 0		34.5	41.1	49.7	56.4	59.8	65.9	69.1	71.3	74.9	77.6	79.0	81.4	83.7	84.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010

WIESBADEN AB GERMANY

40-70

YEARS

CI

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING		12.9	15.5	18.3	19.9	21.2	22.7	23.4	24.0	25.0	25.6	25.8	26.2	26.6	26.7	27.5
≥ 20000		14.8	17.8	21.0	22.8	24.3	26.3	27.3	28.2	29.4	30.0	30.3	30.9	31.3	31.4	32.3
IV 18000		15.1	18.1	21.2	23.1	24.6	26.6	27.8	28.5	29.7	30.3	30.6	31.2	31.6	31.7	32.6
IV 16000		15.1	18.2	21.3	23.3	24.8	26.8	28.0	28.7	29.9	30.5	30.8	31.4	31.8	31.9	32.9
IV 14000		15.3	18.4	21.6	23.6	25.1	27.1	28.3	29.0	30.2	30.9	31.2	31.8	32.2	32.3	33.2
IV 12000		15.7	18.8	22.2	24.2	25.8	27.7	29.0	29.8	31.0	31.7	32.0	32.6	33.0	33.1	34.1
IV 10000		16.6	20.0	23.5	25.9	27.6	29.7	31.2	32.1	33.3	34.3	34.6	35.4	35.8	35.9	36.9
IV 9000		17.1	20.6	24.1	26.6	28.4	30.7	32.3	33.3	34.7	35.7	36.0	36.9	37.4	37.5	38.5
IV 8000		18.0	21.8	25.5	28.5	30.5	33.0	34.9	36.1	37.7	39.0	39.4	40.3	40.8	40.9	41.9
IV 7000		18.7	22.6	26.8	29.8	31.9	34.5	36.5	37.7	39.4	40.9	41.4	42.3	42.9	43.0	44.1
IV 6000		19.5	23.5	27.7	30.7	32.9	35.6	37.6	38.9	40.6	42.2	42.7	43.6	44.3	44.3	45.5
IV 5000		20.9	25.5	30.0	33.2	35.5	38.4	40.6	41.8	43.8	45.6	46.1	47.0	47.7	47.8	49.0
IV 4500		22.1	26.9	31.1	35.3	37.6	40.8	43.0	44.3	46.4	48.1	48.7	49.6	50.3	50.4	51.6
IV 4000		23.4	28.4	33.7	37.5	40.0	43.5	45.8	47.1	49.5	51.4	52.0	52.9	53.9	54.0	55.3
IV 3500		25.0	30.3	36.2	40.3	42.8	46.5	48.9	50.3	52.8	54.7	55.4	56.4	57.2	57.3	58.6
IV 3000		27.2	32.7	38.8	43.2	45.7	49.5	52.1	53.5	56.2	58.3	58.9	60.0	60.8	61.0	62.3
IV 2500		29.2	35.1	41.5	46.2	49.2	53.1	55.9	57.4	60.3	62.7	63.4	64.4	65.2	65.4	66.8
IV 2000		31.8	38.3	45.8	51.1	54.3	58.7	61.6	63.3	66.3	69.1	69.9	71.1	72.1	72.3	73.6
IV 1800		32.3	38.8	46.6	52.1	55.6	60.0	63.0	64.7	67.7	70.7	71.4	72.7	73.7	73.8	75.2
IV 1500		33.2	40.1	48.2	54.4	57.9	62.8	66.0	67.9	71.0	73.9	74.8	76.1	77.1	77.2	78.7
IV 1200		33.5	40.6	48.8	55.3	59.4	64.5	68.0	70.1	73.2	76.3	77.4	78.8	79.8	80.0	81.4
IV 1000		34.7	40.8	49.3	56.1	60.2	65.5	69.2	71.4	74.6	77.8	78.9	80.4	81.5	81.7	83.2
IV 900		33.7	40.8	49.3	56.2	60.3	65.8	69.6	71.8	75.1	78.4	79.5	81.0	82.2	82.3	83.8
IV 800		33.7	40.9	49.4	56.2	60.6	66.1	70.1	72.6	75.7	79.2	80.3	81.9	83.1	83.2	84.8
IV 700		33.7	40.7	49.3	56.3	60.6	66.2	70.2	72.8	76.1	79.7	80.8	82.4	83.7	83.9	85.4
IV 600		33.8	40.9	49.5	56.4	60.7	66.4	70.5	73.0	76.6	80.4	81.6	83.4	84.8	85.0	86.5
IV 500		33.8	40.9	49.5	56.4	60.7	66.4	70.5	73.1	76.9	81.3	82.6	84.9	86.5	86.7	88.4
IV 400		33.8	41.0	49.6	56.5	60.8	66.5	70.6	73.2	77.3	81.9	83.7	86.6	88.9	89.4	92.1
IV 300		33.8	41.0	49.6	56.5	60.8	66.5	70.7	73.2	77.4	82.0	83.7	86.8	89.8	90.4	93.0
IV 200		33.8	41.0	49.6	56.5	60.8	66.6	70.8	73.3	77.5	82.1	83.9	86.9	90.0	90.7	93.8
IV 100		33.8	41.0	49.6	56.5	60.8	66.6	70.8	73.3	77.5	82.1	83.9	86.9	90.1	90.8	94.0
IV 0		33.8	41.0	49.6	56.5	60.8	66.6	70.8	73.3	77.5	82.1	83.9	86.9	90.1	90.8	94.0

TOTAL NUMBER OF OBSERVATIONS

2325

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

35010 MIESBADEN AB GERMANY

40-70

YEARS

1961

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.10	≥0.05	≥0.025	≥0.01
NO CEILING		15.7	16.5	21.8	23.9	25.6	27.1	28.6	29.2	30.0	30.3	30.5	30.6	30.8	30.8	30.8
≥ 20000		18.8	22.3	26.2	28.7	30.5	32.3	34.2	35.0	36.1	36.6	36.8	37.0	37.3	37.3	37.4
≥ 18000		19.0	22.5	26.4	29.1	30.9	32.9	34.6	35.4	36.6	37.0	37.2	37.4	37.7	37.8	37.8
IV 16000		19.1	22.6	26.5	29.2	31.1	33.2	35.0	35.7	36.9	37.4	37.6	37.8	38.1	38.1	38.2
IV 14000		19.3	22.9	26.8	29.5	31.4	33.5	35.3	36.0	37.2	37.7	37.9	38.1	38.4	38.4	38.5
IV 12000		19.5	23.2	27.2	29.9	31.8	34.0	35.7	36.5	37.6	38.2	38.4	38.6	38.9	38.9	39.0
IV 10000		20.9	24.8	29.2	32.3	34.3	36.9	38.7	39.5	40.8	41.5	41.7	41.9	42.2	42.2	42.3
IV 9000		21.6	25.6	30.1	33.2	35.4	37.9	39.7	40.6	41.8	42.3	42.8	42.9	43.3	43.4	43.4
IV 8000		22.9	27.1	31.8	35.1	37.5	40.2	42.3	43.1	44.5	45.3	45.5	45.8	46.1	46.2	46.2
IV 7000		23.9	28.3	33.0	36.4	38.8	41.5	43.7	44.6	46.1	46.9	47.1	47.4	47.7	47.7	47.9
IV 6000		25.0	29.5	34.3	37.8	40.3	43.2	45.5	46.5	47.9	48.7	49.0	49.2	49.6	49.6	49.8
IV 5000		26.7	31.5	36.4	40.3	42.8	45.9	48.4	49.4	50.8	51.7	52.0	52.4	52.7	52.8	52.9
IV 4500		28.3	33.5	38.9	42.7	45.3	48.5	51.0	52.0	53.5	54.4	54.7	55.1	55.4	55.5	55.6
IV 4000		31.1	36.8	42.4	46.4	49.0	52.6	55.1	56.0	57.8	58.7	59.1	59.6	60.0	60.1	60.2
IV 3500		33.4	39.6	45.3	49.7	52.4	56.0	58.6	59.6	61.3	62.4	62.8	63.3	63.7	63.8	63.9
IV 3000		37.1	43.4	49.7	54.2	57.0	60.8	63.7	64.9	66.8	68.0	68.4	69.0	69.4	69.5	69.6
IV 2500		40.8	47.7	54.5	59.1	62.1	66.1	69.1	70.5	72.6	73.9	74.4	75.1	75.6	75.7	75.8
IV 2000		45.2	50.8	58.4	63.8	67.1	71.5	74.8	76.3	78.6	80.3	80.7	81.5	82.1	82.2	82.3
IV 1800		43.6	51.3	59.0	64.6	67.9	72.3	75.8	77.4	79.7	81.4	81.8	82.7	83.2	83.3	83.4
IV 1500		44.6	52.6	60.6	66.8	70.5	75.2	78.8	80.5	82.9	84.6	85.2	86.0	86.7	86.7	86.8
IV 1200		44.9	52.9	61.0	67.7	71.5	76.3	80.2	82.0	84.4	86.4	87.0	88.0	88.7	88.8	88.9
IV 1000		45.1	53.2	61.4	68.3	72.4	77.8	81.7	83.6	86.4	88.6	89.3	90.3	91.1	91.2	91.3
IV 900		45.1	53.3	61.5	68.4	72.6	78.0	81.9	83.9	86.7	88.9	89.6	90.6	91.4	91.5	91.6
IV 800		45.1	53.4	61.5	68.5	72.7	78.1	82.5	84.7	87.8	90.0	90.8	91.9	92.7	92.8	92.9
IV 700		45.1	53.4	61.5	68.5	72.8	78.3	82.7	85.1	88.5	90.7	91.5	92.6	93.3	93.6	93.7
IV 600		45.1	53.4	61.5	68.5	72.8	78.6	83.1	85.8	89.8	92.3	92.2	93.8	94.3	94.4	94.6
IV 500		45.1	53.4	61.5	68.5	72.8	78.6	83.3	86.8	91.3	93.8	93.3	95.1	95.9	96.0	96.2
IV 400		45.1	53.4	61.6	68.6	72.8	78.7	83.3	86.9	91.5	94.0	93.8	96.8	97.7	97.9	98.2
IV 300		45.1	53.4	61.6	68.6	72.9	78.7	83.4	87.9	92.8	94.4	94.4	98.3	99.2	99.3	99.4
IV 200		45.1	53.4	61.6	68.6	72.9	78.7	83.4	88.9	93.8	95.4	95.4	99.3	99.7	99.7	99.7
IV 100		45.1	53.4	61.6	68.6	72.9	78.7	83.4	88.9	93.8	95.4	95.4	99.3	99.7	99.7	99.7
IV 0		45.1	53.4	61.6	68.6	72.9	78.7	83.4	88.9	93.8	95.4	95.4	99.3	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 NIESBADEN AB GERMANY

46-70

YEARS

201

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1520-1720

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING		23.9	23.3	23.9	28.4	29.6	30.9	32.0	32.7	32.9	33.3	33.6	33.8	34.0	34.0	34.0
≥ 20000		26.3	29.3	32.7	35.6	37.2	39.1	40.4	41.3	41.8	42.3	42.6	42.9	43.1	43.1	43.2
IV 18000		26.4	29.4	32.9	35.8	37.4	39.3	40.6	41.4	42.0	42.5	42.9	43.2	43.3	43.3	43.4
IV 16000		26.5	29.5	33.0	36.0	37.6	39.5	40.9	41.7	42.3	42.8	43.2	43.5	43.6	43.6	43.7
IV 14000		26.8	29.7	33.2	36.2	37.8	39.8	41.1	42.0	42.5	43.0	43.4	43.7	43.8	43.8	43.9
IV 12000		27.3	30.2	33.8	36.8	38.5	40.5	41.8	42.7	43.3	43.8	44.2	44.5	44.7	44.7	44.7
IV 10000		28.8	31.9	35.8	38.9	40.7	42.9	44.3	45.2	45.9	46.6	46.9	47.2	47.3	47.3	47.5
IV 9000		29.9	33.1	37.1	40.3	42.1	44.4	45.9	46.9	47.5	48.2	48.7	49.0	49.2	49.3	49.3
IV 8000		31.6	35.0	38.3	42.9	44.8	47.1	49.0	50.0	50.8	51.5	52.1	52.5	52.7	52.8	52.8
IV 7000		33.0	36.6	41.0	44.8	46.7	49.2	51.2	52.3	53.2	53.9	54.5	54.9	55.2	55.2	55.2
IV 6000		35.1	38.7	43.2	47.1	49.2	51.7	53.7	54.8	55.7	56.5	57.1	57.5	57.7	57.8	57.9
IV 5000		38.0	41.7	46.4	50.5	52.6	55.2	57.3	58.4	59.4	60.3	60.9	61.3	61.6	61.6	61.7
IV 4500		40.4	44.1	49.1	53.1	55.4	58.0	60.1	61.4	62.3	63.3	63.9	64.3	64.6	64.6	64.7
IV 4000		44.1	48.1	53.3	57.7	59.9	62.6	64.8	65.1	67.2	68.2	68.8	69.2	69.5	69.5	69.6
IV 3500		47.1	51.2	56.7	61.3	63.6	66.5	68.6	70.0	71.1	72.1	72.8	73.2	73.5	73.5	73.5
IV 3000		52.3	55.0	60.9	65.8	68.4	71.3	73.5	74.9	76.2	77.3	78.1	78.5	78.7	78.8	78.8
IV 2500		53.3	56.4	64.6	69.8	72.6	75.7	78.1	79.5	81.0	82.3	83.1	83.5	83.9	83.9	84.0
IV 2000		56.9	60.2	67.2	72.7	75.9	79.5	82.1	83.4	85.2	86.5	87.4	87.9	88.3	88.3	88.4
IV 1800		58.0	60.4	67.6	73.3	76.7	80.2	82.8	84.2	85.9	87.3	88.2	88.7	89.1	89.1	89.2
IV 1500		58.6	61.3	69.1	75.0	78.4	82.3	85.1	86.6	88.4	89.9	90.9	91.4	91.7	91.8	91.9
IV 1200		58.8	61.6	69.4	75.9	79.4	83.7	86.6	88.4	90.2	91.7	92.7	93.2	93.6	93.7	93.8
IV 1000		58.9	61.7	69.6	76.4	80.0	84.3	87.3	89.3	91.3	92.9	93.9	94.6	95.0	95.1	95.2
IV 900		58.9	61.7	69.6	76.4	80.1	84.7	87.7	89.5	91.5	93.1	94.3	95.0	95.4	95.5	95.6
IV 800		58.9	61.7	69.6	76.5	80.2	84.9	87.7	89.9	92.0	93.6	94.8	95.6	96.0	96.1	96.2
IV 700		58.9	61.7	69.6	76.5	80.2	84.9	88.0	90.1	92.8	94.2	95.3	96.3	96.7	96.8	96.9
IV 600		58.9	61.7	69.6	76.5	80.2	84.9	88.0	90.2	92.8	94.5	95.9	96.8	97.2	97.3	97.4
IV 500		58.9	61.7	69.6	76.5	80.2	84.9	88.0	90.3	92.9	94.8	96.4	97.6	98.1	98.2	98.3
IV 400		58.9	61.7	69.6	76.5	80.2	84.9	88.0	90.3	92.8	94.9	96.6	97.8	98.4	98.5	98.6
IV 300		58.9	61.7	69.6	76.5	80.2	84.9	88.0	90.3	93.0	95.0	96.7	98.0	98.8	99.0	99.2
IV 200		58.9	61.7	69.6	76.5	80.2	84.9	88.0	90.3	93.0	95.0	96.8	98.1	99.1	99.2	99.7
IV 100		58.9	61.7	69.6	76.5	80.2	84.9	88.0	90.3	93.0	95.0	96.8	98.1	99.1	99.2	99.8
IV 0		58.9	61.7	69.6	76.5	80.2	84.9	88.0	90.3	93.0	95.0	96.8	98.1	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

2320



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010

WESSBADEN AB GERMANY

40-70

YEARS

561

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING		22.6	20.0	29.1	32.1	33.2	36.0	37.2	37.5	38.4	39.0	39.5	39.9	40.1	40.1	40.2
IV 20000		26.2	30.1	33.7	36.9	38.2	41.6	43.0	43.4	44.3	45.2	45.8	46.1	46.4	46.5	46.6
IV 18000		26.3	30.3	33.8	37.2	38.4	41.9	43.3	43.7	44.7	45.5	46.0	46.4	46.7	46.7	46.9
IV 16000		26.3	30.3	33.8	37.2	38.4	41.9	43.3	43.7	44.7	45.5	46.0	46.4	46.7	46.7	46.9
IV 14000		26.5	30.5	34.1	37.5	38.9	42.3	43.8	44.2	45.3	46.1	46.6	47.0	47.3	47.3	47.4
IV 12000		27.2	31.3	35.0	38.5	39.8	43.3	44.8	45.2	46.3	47.1	47.6	48.0	48.3	48.3	48.4
IV 10000		29.2	33.4	37.4	41.0	42.4	45.9	47.5	48.0	49.2	49.9	50.5	50.8	51.1	51.2	51.4
IV 9000		29.8	34.1	38.3	42.1	43.5	47.1	48.8	49.3	50.5	51.2	51.8	52.3	52.6	52.6	52.8
IV 8000		32.0	36.7	41.2	45.1	46.5	50.3	52.1	52.6	53.9	54.9	55.5	56.0	56.3	56.3	56.5
IV 7000		33.7	38.6	43.2	47.3	48.9	52.9	54.7	55.2	56.6	57.7	58.3	58.8	59.1	59.1	59.3
IV 6000		36.2	41.3	45.2	50.4	52.0	56.1	58.0	58.6	60.0	61.2	61.7	62.2	62.3	62.6	62.8
IV 5000		39.5	44.9	49.9	54.2	55.9	60.1	62.2	62.9	64.4	65.6	66.2	66.7	67.0	67.1	67.2
IV 4500		41.3	46.8	52.3	56.6	58.4	62.8	64.9	65.6	67.1	68.4	69.0	69.3	69.8	69.9	70.1
IV 4000		44.1	50.0	55.6	60.2	62.2	66.8	69.0	69.7	71.6	72.8	73.4	74.0	74.3	74.3	74.5
IV 3500		46.4	52.8	58.7	63.6	65.9	70.5	73.1	73.7	75.5	77.0	77.6	78.1	78.4	78.5	78.7
IV 3000		49.2	56.4	63.0	68.5	70.9	75.8	78.5	79.2	81.0	82.6	83.3	83.8	84.1	84.2	84.4
IV 2500		50.4	58.0	65.0	70.9	73.5	78.7	81.4	82.2	84.0	85.7	86.4	87.1	87.4	87.5	87.6
IV 2000		51.7	59.6	66.9	73.3	76.1	81.3	84.5	85.3	87.2	88.9	89.7	90.6	90.7	90.7	90.9
IV 1800		51.9	59.8	67.4	74.0	76.8	82.3	85.4	86.1	88.0	89.8	90.5	91.2	91.3	91.6	91.8
IV 1500		52.0	60.1	68.1	74.9	77.9	83.7	86.8	87.6	89.5	91.3	92.3	92.9	93.3	93.4	93.5
IV 1200		52.2	60.4	68.6	75.6	78.9	84.8	87.9	88.8	90.8	92.6	93.5	94.3	94.7	94.7	94.9
IV 1000		52.3	60.5	69.0	76.2	79.4	85.4	88.6	89.5	91.6	93.5	94.5	95.4	95.7	95.8	96.0
IV 900		52.3	60.5	69.0	76.2	79.4	85.4	88.6	89.5	91.6	93.5	94.5	95.4	95.7	95.8	96.0
IV 800		52.3	60.5	69.0	76.2	79.4	85.4	88.6	89.5	91.6	93.5	94.5	95.4	95.7	95.8	96.0
IV 700		52.3	60.5	69.0	76.2	79.4	85.4	88.6	89.5	91.6	93.5	94.5	95.4	95.7	95.8	96.0
IV 600		52.3	60.5	69.0	76.2	79.4	85.4	88.6	89.5	91.6	93.5	94.5	95.4	95.7	95.8	96.0
IV 500		52.3	60.5	69.0	76.2	79.4	85.4	88.6	89.5	91.6	93.5	94.5	95.4	95.7	95.8	96.0
IV 400		52.3	60.5	69.0	76.2	79.4	85.4	88.6	89.5	91.6	93.5	94.5	95.4	95.7	95.8	96.0
IV 300		52.3	60.5	69.0	76.2	79.4	85.4	88.6	89.5	91.6	93.5	94.5	95.4	95.7	95.8	96.0
IV 200		52.3	60.5	69.0	76.2	79.4	85.4	88.6	89.5	91.6	93.5	94.5	95.4	95.7	95.8	96.0
IV 100		52.3	60.5	69.0	76.2	79.4	85.4	88.6	89.5	91.6	93.5	94.5	95.4	95.7	95.8	96.0
IV 0		52.3	60.5	69.0	76.2	79.4	85.4	88.6	89.5	91.6	93.5	94.5	95.4	95.7	95.8	96.0

TOTAL NUMBER OF OBSERVATIONS

2323

USAF ETAC

FORM JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

4670

YEARS

361

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2106-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		25.8	29.9	34.1	37.3	39.1	41.4	42.6	43.1	44.2	45.1	45.4	45.7	45.9	46.0	46.2
≥ 20000		27.7	31.8	36.3	39.6	41.3	44.0	45.2	45.8	47.0	47.9	48.3	48.6	48.8	48.9	49.0
≥ 18000		27.7	31.8	36.3	39.6	41.3	44.0	45.2	45.8	47.0	47.9	48.3	48.6	48.8	48.9	49.0
≥ 16000		27.7	31.8	36.4	39.7	41.4	44.1	45.3	45.9	47.1	48.0	48.3	48.6	48.9	48.9	49.1
≥ 14000		27.8	32.0	36.6	39.9	41.6	44.4	45.6	46.2	47.4	48.3	48.6	48.9	49.1	49.2	49.4
≥ 12000		28.6	32.8	37.4	40.8	42.5	45.4	46.6	47.2	48.6	49.5	49.8	50.1	50.3	50.4	50.6
≥ 10000		30.2	34.4	39.3	42.8	44.7	47.6	48.9	49.5	50.9	51.8	52.2	52.5	52.7	52.8	53.0
≥ 9000		31.0	35.3	40.3	44.0	45.9	48.5	50.1	50.8	52.2	53.2	53.6	53.9	54.2	54.3	54.5
≥ 8000		33.8	38.5	43.8	47.6	49.2	53.0	54.3	55.0	56.6	57.7	58.0	58.4	58.6	58.7	58.9
≥ 7000		35.8	41.1	46.5	50.7	52.9	56.3	57.3	58.3	59.9	61.1	61.4	61.9	62.1	62.2	62.5
≥ 6000		37.8	43.2	48.9	53.3	55.7	59.2	60.4	61.2	62.9	64.0	64.4	65.0	65.3	65.3	65.6
≥ 5000		40.1	46.0	51.7	56.3	58.8	62.4	63.7	64.4	66.3	67.4	67.8	68.4	68.7	68.8	69.0
≥ 4500		41.3	47.5	53.6	58.3	60.9	64.5	65.8	66.5	68.3	69.7	70.1	70.7	71.0	71.1	71.3
≥ 4000		43.4	50.2	57.0	62.1	65.0	68.8	70.3	71.0	73.0	74.4	74.8	75.4	75.7	75.8	76.0
≥ 3500		45.6	53.0	60.2	65.5	68.4	72.4	73.8	74.6	76.7	78.1	78.5	79.2	79.5	79.6	79.8
≥ 3000		48.0	56.4	63.8	69.3	72.2	76.3	77.9	78.6	80.7	82.2	82.6	83.3	83.6	83.7	83.9
≥ 2500		50.2	58.8	66.6	72.1	75.1	79.2	80.9	81.7	83.7	85.2	85.7	86.4	86.8	86.8	87.1
≥ 2000		51.6	60.5	68.5	74.3	77.3	81.6	83.3	84.0	86.1	87.7	88.2	89.0	89.3	89.3	89.6
≥ 1800		52.1	61.0	69.4	75.2	78.3	82.7	84.4	85.3	87.4	89.0	89.5	90.2	90.5	90.6	90.9
≥ 1500		52.4	61.5	70.0	76.2	79.5	84.1	85.9	86.8	89.0	90.6	91.2	91.9	92.2	92.3	92.5
≥ 1200		52.7	61.9	70.5	76.7	80.0	84.9	86.7	87.6	89.8	91.4	92.0	92.7	93.0	93.1	93.4
≥ 1000		52.8	62.2	71.0	77.3	80.7	85.6	87.5	88.3	90.7	92.4	93.1	93.8	94.1	94.2	94.5
≥ 900		52.8	62.2	71.0	77.3	80.8	85.7	87.5	88.6	90.9	92.6	93.2	94.0	94.3	94.4	94.6
≥ 800		52.8	62.2	71.0	77.3	80.9	85.8	87.8	88.8	91.0	92.8	93.4	94.1	94.3	94.6	94.8
≥ 700		52.8	62.2	71.0	77.3	81.1	86.1	88.2	89.2	91.4	93.3	93.9	94.6	95.0	95.0	95.3
≥ 600		52.8	62.2	71.1	77.6	81.1	86.2	88.3	89.3	91.6	93.5	94.1	94.8	95.2	95.3	95.6
≥ 500		52.8	62.2	71.1	77.7	81.2	86.4	88.4	89.4	91.8	93.7	94.4	95.2	95.6	95.7	95.9
≥ 400		52.8	62.2	71.1	77.7	81.3	86.4	88.6	89.7	92.1	94.0	94.7	95.6	96.0	96.1	96.3
≥ 300		52.8	62.2	71.1	77.7	81.3	86.4	88.6	89.7	92.1	94.1	94.8	95.7	96.3	96.4	96.8
≥ 200		52.8	62.2	71.1	77.7	81.3	86.4	88.6	89.7	92.1	94.1	94.8	95.8	96.6	96.7	97.5
≥ 100		52.8	62.2	71.1	77.7	81.3	86.4	88.6	89.7	92.1	94.1	94.8	95.8	96.6	96.8	98.1
≥ 0		52.9	62.2	71.1	77.7	81.3	86.4	88.6	89.7	92.1	94.2	94.9	95.9	96.7	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2317

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

SCV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2000-0200

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.75	≥0.5	≥0.25	≥0.15	≥0.10	≥0
NO CEILING ≥ 20000	15.4	16.6	19.5	21.4	22.2	23.0	24.3	24.6	25.2	25.7	25.7	25.8	26.0	26.0	26.0
IV 18000	16.5	18.0	21.1	23.1	24.1	25.6	26.5	26.9	27.5	28.1	28.2	28.3	28.5	28.5	28.5
IV 16000	16.6	18.1	21.2	23.4	24.3	25.8	26.8	27.2	27.8	28.4	28.5	28.6	28.8	28.8	28.8
IV 14000	16.6	18.1	21.2	23.4	24.4	25.9	26.9	27.2	27.8	28.5	28.5	28.6	28.8	28.8	28.8
IV 12000	16.6	18.1	21.3	23.5	24.5	26.2	27.3	27.6	28.2	28.9	28.9	29.0	29.2	29.2	29.3
IV 10000	16.9	18.5	21.6	23.8	24.8	26.6	27.7	28.1	28.7	29.3	29.4	29.5	29.7	29.7	29.7
IV 9000	17.8	19.5	22.8	25.1	26.3	28.3	29.5	30.1	30.8	31.4	31.5	31.7	31.8	31.9	31.9
IV 8000	18.2	19.8	23.4	25.9	27.2	29.3	30.9	31.6	32.1	32.8	32.8	33.0	33.2	33.2	33.2
IV 7000	19.7	21.3	25.4	28.3	29.8	32.2	33.7	34.4	35.3	36.1	36.1	36.3	36.5	36.5	36.5
IV 6000	21.0	22.9	27.3	30.4	32.0	34.6	36.2	37.0	37.9	38.7	38.7	39.0	39.2	39.2	39.3
IV 5000	22.6	24.8	29.3	32.9	34.5	37.3	39.0	39.8	40.7	41.7	41.3	42.0	42.2	42.2	42.3
IV 4500	24.6	27.1	31.9	35.7	37.4	40.2	42.0	42.9	43.8	44.5	44.9	45.1	45.4	45.4	45.5
IV 4000	26.8	29.3	34.5	38.5	40.8	43.8	45.5	46.4	47.4	48.5	48.5	48.7	49.0	49.0	49.2
IV 3500	27.7	31.0	36.8	41.0	43.4	46.3	48.3	49.4	50.4	51.7	51.7	51.9	52.3	52.3	52.5
IV 3000	30.1	33.6	39.8	44.2	46.6	50.0	51.9	52.0	54.2	55.5	55.5	55.8	56.2	56.2	56.3
IV 2500	32.4	36.4	42.8	47.4	49.9	53.6	55.7	56.7	58.2	59.5	59.5	60.0	60.4	60.4	60.6
IV 2000	36.3	41.0	48.0	53.1	55.8	59.8	62.2	63.3	64.9	66.3	66.3	66.7	67.1	67.1	67.4
IV 1800	40.2	45.6	53.8	59.3	62.4	66.9	69.4	70.6	72.3	73.3	73.3	74.3	74.7	74.7	75.0
IV 1500	40.8	46.5	55.0	60.7	64.0	68.6	71.1	72.3	74.2	75.6	75.7	76.2	76.6	76.6	76.8
IV 1200	42.7	49.0	57.8	64.4	68.1	72.9	75.8	76.9	78.9	80.6	80.7	81.2	81.6	81.6	81.9
IV 1000	43.2	49.7	59.0	65.8	69.6	73.0	77.9	79.3	81.7	83.4	83.5	84.0	84.4	84.4	84.7
IV 900	43.6	50.5	60.3	67.4	71.5	77.1	80.2	81.9	84.3	86.0	86.2	86.7	87.1	87.1	87.5
IV 800	43.9	50.9	60.7	67.9	72.3	77.9	81.0	82.7	85.1	87.0	87.2	87.8	88.3	88.3	88.6
IV 700	44.2	51.2	61.0	68.3	72.9	78.6	81.9	83.7	86.4	88.4	88.6	89.2	89.6	89.6	90.0
IV 600	44.2	51.2	61.0	68.3	73.2	79.2	82.7	84.6	87.7	89.9	90.3	90.8	91.2	91.2	91.6
IV 500	44.2	51.3	61.0	68.6	73.3	79.4	83.0	85.1	88.5	90.9	91.3	92.0	92.4	92.4	93.0
IV 400	44.2	51.3	61.0	68.6	73.3	79.3	83.1	85.2	88.9	91.5	91.8	92.7	93.1	93.1	93.6
IV 300	44.2	51.3	61.0	68.6	73.3	79.3	83.1	85.2	89.3	92.2	92.5	93.4	93.8	93.8	94.4
IV 200	44.2	51.3	61.0	68.6	73.3	79.3	83.1	85.2	89.3	92.3	92.6	93.6	94.0	94.0	94.6
IV 100	44.2	51.3	61.0	68.6	73.3	79.3	83.1	85.2	89.3	92.3	92.6	93.6	94.0	94.0	94.6
IV 0	44.2	51.3	61.0	68.6	73.3	79.3	83.1	85.2	89.3	92.3	92.6	93.6	94.0	94.0	94.6

TOTAL NUMBER OF OBSERVATIONS

2249

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE, MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	12.3	14.2	16.3	18.9	19.6	21.1	21.3	22.0	22.5	23.0	23.1	23.2	23.4	23.4	24.0	
≥ 20000	13.2	15.2	17.9	20.1	20.8	22.3	23.2	23.6	24.0	24.5	24.8	24.7	24.9	25.0	25.5	
IV 18000	13.3	15.4	18.1	20.3	21.0	22.6	23.5	23.7	24.3	24.7	24.9	25.0	25.2	25.2	25.5	
IV 15000	13.3	15.4	18.1	20.3	21.0	22.6	23.5	23.7	24.3	24.8	24.9	25.0	25.2	25.3	25.5	
≥ 14000	13.6	15.7	18.4	20.7	21.4	23.0	24.0	24.2	24.9	25.4	25.5	25.6	25.8	25.8	26.4	
IV 12000	14.1	16.2	18.9	21.2	21.9	23.5	24.5	24.8	25.5	26.0	26.1	26.2	26.4	26.5	27.0	
IV 10000	14.6	16.7	19.4	21.9	22.7	24.4	25.3	25.8	26.7	27.1	27.3	27.4	27.6	27.6	28.2	
IV 9000	15.5	17.6	20.7	23.3	24.2	26.1	27.2	27.6	28.5	29.0	29.1	29.2	29.4	29.5	30.0	
IV 8000	16.6	19.0	22.5	25.1	26.4	28.6	29.9	30.4	31.4	31.9	32.0	32.1	32.4	32.4	33.0	
IV 7000	18.2	20.7	24.6	27.7	29.1	31.5	32.8	33.4	34.5	35.0	35.2	35.3	35.5	35.6	36.1	
IV 6000	19.2	21.7	25.8	29.1	30.7	33.2	34.6	35.2	36.3	36.9	37.1	37.3	37.5	37.5	38.1	
IV 5000	21.8	24.3	28.9	32.4	34.2	36.9	38.5	39.1	40.3	41.0	41.1	41.4	41.6	41.7	42.2	
IV 4500	23.5	26.2	30.8	34.4	36.5	39.5	41.3	41.8	43.2	43.9	44.0	44.2	44.5	44.5	45.1	
IV 4000	25.3	28.2	33.6	37.5	39.5	42.8	44.5	45.1	46.5	47.2	47.4	47.5	47.9	48.0	48.6	
IV 3500	27.2	30.4	36.1	39.8	42.1	45.5	47.2	47.9	49.4	50.3	50.4	50.7	51.0	51.0	51.6	
IV 3000	33.9	33.5	39.2	43.4	45.2	49.4	51.2	51.8	53.5	54.4	54.5	54.9	55.4	55.4	56.1	
IV 2500	33.9	37.7	44.2	49.2	51.6	55.5	57.4	58.1	60.1	61.0	61.1	61.5	62.0	62.0	62.7	
IV 2000	37.8	42.2	49.7	55.3	58.0	62.0	64.6	65.4	67.8	68.3	68.9	69.4	70.0	70.0	70.7	
IV 1800	38.8	43.2	50.9	56.7	59.6	63.8	66.5	67.3	69.8	70.9	71.0	71.5	72.1	72.2	72.9	
IV 1500	41.6	46.7	53.0	61.1	63.4	68.8	71.7	72.8	75.3	76.8	77.0	77.5	78.2	78.2	78.9	
IV 1200	42.7	48.0	56.9	63.4	67.2	72.0	75.0	76.4	79.1	80.6	80.7	81.3	82.0	82.0	82.7	
IV 1000	43.1	48.6	58.2	64.9	69.0	73.9	77.0	78.4	81.3	83.0	83.1	83.6	84.5	84.5	85.2	
IV 900	43.2	48.9	58.5	65.3	69.6	74.6	77.9	79.3	82.3	84.0	84.2	84.7	85.6	85.6	86.3	
IV 800	43.3	49.1	58.6	65.9	70.2	75.4	79.0	80.5	83.6	85.5	85.7	86.2	87.2	87.2	87.9	
IV 700	43.3	49.2	58.9	66.3	70.7	76.2	79.7	81.4	84.6	86.6	86.8	87.4	88.4	88.4	89.2	
IV 600	43.4	49.3	59.0	66.6	71.0	76.9	80.3	82.0	85.2	87.3	87.4	88.1	89.2	89.2	90.0	
IV 500	43.4	49.3	59.0	66.7	71.1	76.9	80.7	82.3	86.1	88.2	88.4	89.2	90.2	90.2	91.0	
IV 400	43.4	49.3	59.1	66.8	71.3	77.0	80.9	82.0	86.6	88.9	89.0	90.0	91.1	91.2	92.0	
IV 300	43.4	49.3	59.1	66.8	71.3	77.0	81.1	82.3	87.1	89.5	90.1	91.1	92.7	92.9	93.7	
IV 200	43.4	49.3	59.1	66.8	71.3	77.0	81.1	82.3	87.3	90.0	90.3	91.4	93.4	93.8	95.1	
IV 100	43.4	49.3	59.1	66.8	71.3	77.0	81.1	82.3	87.3	90.0	90.4	91.5	93.8	94.3	96.4	
IV 0	43.4	49.3	59.1	66.8	71.3	77.0	81.1	82.3	87.3	90.0	90.9	91.6	93.9	94.7	100.0	

TOTAL NUMBER OF OBSERVATIONS. 2244

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

33010  
STATION

RIESBADEN AB (KMAN)

40-70

YEAR

MO

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING		9.4	10.7	12.5	13.4	13.9	15.1	15.6	15.9	16.4	16.8	17.0	17.1	17.4	17.5	17.9
≥ 20000		10.6	12.1	14.1	15.0	15.6	16.6	17.3	17.8	18.3	18.6	19.0	19.1	19.4	19.5	19.9
IV 18000		10.6	12.8	14.3	15.2	15.8	17.0	17.7	18.1	18.6	19.1	19.2	19.4	19.6	19.7	20.2
IV 16000		10.6	12.2	14.3	15.2	15.9	17.1	17.9	18.2	18.8	19.2	19.4	19.6	19.8	19.9	20.4
IV 14000		10.8	12.4	14.6	15.5	16.3	17.5	18.2	18.6	19.2	19.7	19.9	20.0	20.3	20.3	20.8
IV 12000		11.1	12.7	15.0	16.0	16.8	18.0	18.8	19.2	19.8	20.3	20.5	20.7	20.9	21.0	21.5
IV 10000		11.1	13.6	16.0	17.0	17.8	19.1	19.9	20.3	21.0	21.5	21.8	22.0	22.3	22.4	22.8
IV 9000		12.6	14.3	16.9	17.9	18.8	20.4	21.3	21.7	22.3	22.9	23.2	23.5	23.7	23.8	24.3
IV 8000		13.4	15.3	18.2	19.3	20.9	22.4	23.3	23.8	24.5	25.2	25.4	25.9	26.1	26.2	26.7
IV 7000		14.9	16.9	20.0	21.4	22.4	24.6	25.8	26.3	27.0	27.7	28.0	28.3	28.8	28.9	29.4
IV 6000		16.3	18.4	21.6	23.2	24.5	26.9	28.2	28.8	29.7	30.5	30.8	31.3	31.5	31.6	32.1
IV 5000		18.1	20.6	24.1	26.1	27.7	30.4	31.7	32.4	33.3	34.2	34.6	35.0	35.4	35.4	36.0
IV 4500		19.0	21.5	25.3	27.6	29.4	32.2	33.9	34.6	35.7	36.6	37.0	37.5	37.8	37.9	38.4
IV 4000		21.0	23.9	28.2	30.7	32.5	35.6	37.4	38.2	39.6	40.3	40.7	41.2	41.3	41.0	42.1
IV 3500		22.4	25.6	30.2	33.1	35.1	38.2	40.3	41.1	42.3	43.6	43.9	44.3	44.9	45.0	45.5
IV 3000		25.2	28.9	33.9	37.4	39.4	42.9	45.1	45.9	47.2	48.6	48.9	49.3	49.9	50.0	50.6
IV 2500		28.9	32.9	38.3	42.7	45.0	48.8	51.3	52.3	53.8	55.3	55.7	56.2	56.7	56.9	57.4
IV 2000		32.5	38.4	44.4	49.7	52.5	57.1	60.3	61.4	63.3	65.0	65.3	65.9	66.5	66.6	67.2
IV 1800		34.3	39.8	46.1	51.5	54.5	59.0	62.3	63.4	65.3	67.1	67.4	68.0	68.6	68.7	69.3
IV 1500		36.6	42.5	49.2	55.3	58.5	63.5	67.4	68.6	71.0	73.1	73.5	74.2	74.8	74.9	75.6
IV 1200		37.7	44.0	51.4	58.1	61.5	67.1	71.1	72.4	74.9	77.1	77.6	78.3	79.1	79.3	79.9
IV 1000		37.9	44.6	52.4	59.3	63.1	69.1	73.3	74.7	77.5	80.0	80.5	81.3	82.3	82.4	83.1
IV 900		38.0	44.8	52.6	59.9	63.7	69.8	74.2	75.6	78.5	81.0	81.7	82.5	83.6	83.7	84.4
IV 800		38.2	45.1	53.0	60.6	64.5	70.7	75.4	76.8	79.7	82.4	83.0	84.0	85.1	85.2	86.0
IV 700		38.2	45.1	53.2	60.9	64.9	71.2	76.0	77.4	80.4	83.2	84.0	85.0	86.2	86.4	87.3
IV 600		38.2	45.1	53.2	61.0	65.1	71.4	76.2	77.7	80.9	83.8	84.6	85.6	87.0	87.1	88.0
IV 500		38.2	45.1	53.2	61.1	65.1	71.5	76.3	77.8	81.1	84.0	85.2	86.0	87.1	88.6	89.9
IV 400		38.3	45.1	53.3	61.2	65.3	71.9	77.3	79.2	82.6	85.9	86.8	88.2	89.8	90.0	91.1
IV 300		38.3	45.1	53.3	61.3	65.4	72.0	77.6	79.6	83.1	86.7	87.8	89.3	91.3	91.9	93.2
IV 200		38.3	45.1	53.3	61.3	65.4	72.0	77.6	79.6	83.2	86.8	88.1	89.6	92.3	92.7	94.5
IV 100		38.3	45.1	53.3	61.3	65.4	72.0	77.6	79.6	83.2	86.8	88.1	89.6	92.3	92.7	94.5
IV 0		38.3	45.1	53.3	61.3	65.4	72.0	77.6	79.6	83.2	86.8	88.1	89.6	92.3	93.1	100.0

TOTAL NUMBER OF OBSERVATIONS 2246

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEAT-24 SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WESBADEN AB GERMANY  
STATION NAME

4079

FAK

REV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
0000-1100

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING ≥ 20000		6.8	7.8	9.0	9.8	10.4	11.3	11.9	12.1	12.7	13.1	13.2	13.5	13.5	13.5	14.0
IV 18000		8.6	10.0	11.6	12.6	13.4	14.5	15.3	15.8	16.7	17.2	17.3	17.8	18.0	18.0	18.6
IV 16000		8.7	10.1	11.8	12.8	13.6	14.7	15.7	15.9	17.0	17.5	17.7	18.1	18.2	18.3	18.9
IV 14000		8.7	10.1	11.8	12.9	13.7	14.7	15.8	16.0	17.1	17.6	17.9	18.2	18.4	18.4	19.0
IV 12000		8.9	10.4	12.2	13.5	14.2	15.2	16.3	16.6	17.6	18.2	18.4	18.8	18.9	19.0	19.6
IV 10000		9.0	10.6	12.5	13.7	14.7	15.9	16.9	17.2	18.5	18.9	19.2	19.6	19.7	19.8	20.4
IV 9000		10.2	11.8	13.9	15.2	16.3	17.7	18.8	19.2	20.3	21.0	21.4	21.9	22.1	22.2	22.8
IV 8000		10.8	12.5	14.6	16.0	17.1	18.7	19.9	20.2	21.3	22.1	22.5	23.0	23.3	23.3	24.0
IV 7000		12.0	14.1	16.6	18.3	19.6	21.3	22.9	23.4	24.7	25.6	26.1	26.7	27.0	27.0	27.7
IV 6000		12.7	15.0	17.5	19.2	20.5	22.6	24.4	24.9	26.3	27.2	27.8	28.4	28.7	28.7	29.4
IV 5000		13.7	16.1	18.5	20.6	21.2	23.1	25.1	26.8	28.3	29.4	29.9	30.6	31.0	31.0	31.7
IV 4500		15.0	17.8	20.3	23.0	23.0	25.1	27.1	29.4	30.0	31.8	32.9	33.4	34.1	34.5	35.2
IV 4000		16.0	18.9	22.0	25.0	27.0	29.4	31.7	32.4	34.3	35.3	36.2	36.9	37.3	37.4	38.1
IV 3500		17.6	20.6	24.2	27.3	29.3	32.1	34.7	35.3	37.3	38.9	39.6	40.9	40.8	40.9	41.6
IV 3000		13.8	22.0	25.9	29.3	31.6	34.4	37.3	38.1	40.3	41.7	42.3	43.4	43.7	43.8	44.7
IV 2500		21.7	23.0	30.2	34.0	36.6	39.7	42.7	43.6	45.9	47.6	48.4	49.2	49.7	49.8	50.6
IV 2000		25.0	29.3	34.8	39.0	41.8	45.4	48.9	50.0	52.6	54.3	55.3	56.6	56.9	57.0	57.9
IV 1800		28.2	33.7	40.1	44.9	48.4	52.6	56.3	57.6	60.6	63.0	64.0	65.3	65.7	65.8	66.6
IV 1500		23.6	34.3	41.1	46.2	49.3	54.3	58.2	59.6	62.8	65.2	66.2	67.6	68.1	68.2	69.0
IV 1200		29.6	35.8	43.2	49.4	53.6	58.7	63.3	64.8	68.2	70.9	71.9	73.4	73.9	74.0	75.0
IV 1000		30.0	36.4	44.4	51.6	55.9	61.2	66.1	68.0	71.8	74.7	75.9	77.3	78.2	78.3	79.3
IV 900		30.3	36.7	45.2	53.2	57.8	63.3	68.9	70.9	75.2	78.4	79.7	81.6	82.4	82.6	83.6
IV 800		30.3	36.7	45.3	53.3	58.1	64.0	69.3	71.3	75.9	79.4	80.8	82.8	83.3	83.7	84.7
IV 700		30.3	36.9	45.6	54.0	58.8	64.9	70.6	72.6	77.2	80.8	82.3	84.4	85.2	85.3	86.4
IV 600		30.3	36.9	45.6	54.3	59.1	65.3	71.2	73.3	78.0	81.7	83.3	85.3	86.2	86.4	87.6
IV 500		30.4	36.9	45.6	54.3	59.2	65.5	71.4	73.6	78.4	82.4	84.3	86.3	87.4	87.6	88.7
IV 400		30.4	36.9	45.7	54.4	59.3	65.7	71.8	74.0	79.4	83.7	85.7	88.4	89.7	89.8	91.1
IV 300		30.4	36.9	45.7	54.4	59.3	65.8	71.9	74.4	79.8	84.1	86.3	89.4	91.0	91.3	92.7
IV 200		30.4	36.9	45.7	54.4	59.3	65.8	71.9	74.4	79.8	84.3	86.9	89.9	92.2	92.7	94.6
IV 100		30.4	36.9	45.7	54.4	59.3	65.8	71.9	74.4	79.8	84.3	87.0	90.3	92.9	93.4	96.2
IV 0		30.4	36.9	45.7	54.4	59.3	65.8	71.9	74.4	79.8	84.3	87.0	90.3	93.0	93.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2245

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

46-70

YEARS

12V

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS 4311

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000		7.7	8.6	9.8	11.2	12.0	12.9	13.4	13.8	14.4	14.8	14.9	15.1	15.2	15.2	15.2
≥ 18000		9.8	10.9	12.6	14.7	15.5	16.9	17.7	18.4	19.3	19.8	20.0	20.2	20.3	20.3	20.4
≥ 16000		9.8	11.0	12.7	14.6	15.7	17.1	17.9	18.7	19.7	20.2	20.4	20.6	20.7	20.7	20.9
IV 14000		10.0	11.1	12.9	13.0	15.9	17.3	18.2	19.0	19.9	20.4	20.6	20.8	20.9	21.0	21.1
IV 12000		10.6	11.8	13.7	15.9	17.0	18.5	19.5	20.3	21.3	21.8	22.0	22.4	22.5	22.6	22.7
IV 10000		11.4	12.6	14.6	16.9	18.3	19.9	21.1	21.9	22.9	23.4	23.7	24.2	24.3	24.4	24.4
IV 9000		12.3	13.8	15.9	18.4	19.9	21.5	22.8	23.6	24.7	25.3	25.6	26.1	26.2	26.3	26.4
IV 8000		13.2	14.9	17.1	20.2	21.7	23.7	25.2	26.0	27.2	27.8	28.2	28.6	28.8	28.8	28.9
IV 7000		14.1	15.9	18.4	21.6	23.3	25.6	27.2	28.2	29.4	30.1	30.6	31.0	31.2	31.2	31.3
IV 6000		15.5	17.4	20.0	23.3	25.2	27.7	29.4	30.5	32.0	32.8	33.2	33.7	33.9	34.0	34.1
IV 5000		17.2	19.4	22.5	26.0	28.0	30.7	32.5	33.7	35.2	36.1	36.6	37.1	37.3	37.4	37.5
IV 4500		18.7	20.9	23.8	27.6	29.7	32.4	34.2	35.4	36.9	37.9	38.5	39.0	39.2	39.3	39.4
IV 4000		20.0	22.5	26.0	30.1	32.2	35.2	37.2	38.4	40.1	41.1	41.7	42.3	42.4	42.5	42.7
IV 3500		22.0	24.7	28.8	33.1	35.5	38.9	41.1	42.4	44.3	45.4	46.0	46.6	46.8	46.9	47.1
IV 3000		26.0	29.1	34.2	39.2	41.6	45.1	47.6	48.9	51.2	52.5	53.2	53.8	54.0	54.1	54.3
IV 2500		30.8	34.6	40.5	46.1	48.7	53.5	58.0	59.5	62.3	63.6	64.4	65.1	65.3	65.4	65.6
IV 2000		34.3	39.0	46.4	52.5	55.5	59.9	63.4	64.2	67.3	69.2	70.3	71.0	71.2	71.3	71.5
IV 1800		35.1	40.0	47.3	54.2	57.3	61.8	64.6	66.3	69.5	71.3	72.5	73.3	73.5	73.6	73.7
IV 1500		37.0	42.7	51.2	58.4	61.8	67.0	70.3	72.1	73.6	77.7	78.9	79.8	80.0	80.1	80.2
IV 1200		37.4	43.3	52.0	60.0	63.5	69.2	73.0	74.8	76.3	80.8	82.1	83.2	83.4	83.5	83.7
IV 1000		37.8	43.9	53.0	61.4	65.2	71.8	76.0	78.0	82.0	84.6	86.1	87.3	87.6	87.7	87.8
IV 900		37.9	44.0	53.1	61.4	65.3	72.0	76.3	78.3	82.4	85.1	86.6	87.8	88.2	88.4	88.4
IV 800		38.0	44.1	53.3	61.6	65.9	72.8	77.3	79.5	82.7	86.8	88.2	89.5	89.9	90.0	90.2
IV 700		38.0	44.1	53.3	61.9	66.0	73.0	77.8	79.8	84.2	87.9	89.0	90.3	90.8	90.9	91.1
IV 600		38.0	44.1	53.3	61.9	66.2	73.2	77.9	80.2	84.7	88.1	90.0	91.3	91.9	91.9	92.2
IV 500		38.0	44.2	53.4	62.0	66.4	73.4	78.1	80.6	85.2	88.9	90.9	92.6	93.3	93.4	93.7
IV 400		38.0	44.2	53.4	62.0	66.4	73.4	78.1	80.6	85.6	89.5	91.8	94.0	95.1	95.1	95.5
IV 300		38.0	44.2	53.4	62.0	66.4	73.4	78.1	80.6	85.6	89.5	92.2	94.9	96.3	96.6	97.3
IV 200		38.0	44.2	53.4	62.0	66.4	73.4	78.1	80.6	85.6	89.5	92.4	95.1	96.8	97.1	98.8
IV 100		38.0	44.2	53.4	62.0	66.4	73.4	78.1	80.6	85.6	89.5	92.4	95.1	96.8	97.2	99.4
IV 0		38.0	44.2	53.4	62.0	66.4	73.4	78.1	80.6	85.6	89.5	92.5	95.2	97.0	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2246

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 NIESBADEN AB GERMANY

46-70

VTAP

Y-Y

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 0
NO CEILING		10.2	11.4	12.8	13.9	14.4	15.4	15.8	16.0	16.5	16.9	16.9	17.1	17.3	17.4	17.5
≥ 20000		13.1	14.9	16.5	18.5	19.1	20.7	21.2	21.6	22.4	23.1	23.3	23.7	23.9	24.0	24.1
≥ 18000		13.2	15.1	16.9	18.8	19.5	21.1	21.7	22.1	22.9	23.6	23.8	24.2	24.4	24.5	24.6
IV 16000		13.3	15.2	17.0	18.9	19.6	21.2	21.8	22.2	23.0	23.7	23.9	24.3	24.5	24.6	24.7
IV 14000		13.6	15.4	17.3	19.2	19.9	21.5	22.1	22.5	23.3	24.0	24.2	24.6	24.8	24.9	25.1
IV 12000		14.5	16.3	18.3	20.4	21.1	22.7	23.3	23.7	24.5	25.4	25.6	26.0	26.2	26.3	26.4
IV 10000		15.2	17.2	19.4	21.5	22.7	24.5	25.2	25.6	26.6	27.5	27.7	28.1	28.3	28.4	28.5
IV 9000		16.1	18.2	20.7	23.3	24.2	26.1	26.8	27.3	28.3	29.2	29.4	29.8	30.0	30.1	30.2
IV 8000		17.7	20.0	22.7	25.8	27.0	29.3	30.3	30.8	32.1	33.1	33.3	33.7	34.0	34.1	34.3
IV 7000		18.6	21.1	23.9	27.2	28.5	30.9	32.1	32.7	34.2	35.2	35.5	36.0	36.3	36.4	36.5
IV 6000		20.0	22.5	25.6	29.0	30.4	33.2	34.7	35.3	36.8	37.9	38.3	38.8	39.1	39.2	39.3
IV 5000		21.8	24.5	27.7	31.6	33.1	36.0	37.6	38.3	39.9	41.1	41.5	42.0	42.3	42.4	42.6
IV 4500		23.3	26.1	29.6	33.5	35.1	38.1	39.9	40.5	42.1	43.4	43.8	44.3	44.6	44.7	44.9
IV 4000		25.8	28.9	32.7	36.6	38.6	41.9	43.7	44.4	46.0	47.2	47.7	48.3	48.6	48.6	49.0
IV 3500		26.3	31.7	36.0	40.3	42.3	45.8	47.9	48.6	50.2	51.5	52.1	52.7	53.1	53.2	53.3
IV 3000		31.6	35.3	40.2	45.0	47.1	50.8	53.2	54.0	55.7	57.2	57.8	58.4	58.9	59.0	59.1
IV 2500		35.3	40.2	46.1	51.5	53.8	58.0	60.4	61.3	63.2	64.8	65.4	66.2	66.8	66.9	67.0
IV 2000		38.2	44.2	51.2	57.4	59.9	64.5	67.3	68.5	70.6	72.3	73.0	73.8	74.6	74.7	74.8
IV 1800		38.8	45.1	52.5	59.0	61.6	66.4	69.3	70.5	72.7	74.4	75.1	76.0	76.7	76.8	76.9
IV 1500		39.8	46.8	54.6	62.3	65.6	71.0	74.2	75.6	78.0	79.9	80.6	81.5	82.2	82.3	82.5
IV 1200		40.2	47.4	55.6	63.7	67.5	73.7	77.3	79.2	81.8	83.9	84.5	85.6	86.6	86.7	86.8
IV 1000		40.8	47.8	56.3	64.5	68.6	75.3	79.3	81.4	84.6	86.9	87.6	88.8	89.8	89.9	90.1
IV 900		40.5	47.8	56.2	64.6	68.6	75.4	79.4	81.7	84.9	87.2	88.0	89.1	90.2	90.3	90.4
IV 800		40.6	47.8	56.3	64.7	69.0	75.9	80.0	82.3	85.5	88.0	88.8	89.9	91.1	91.2	91.3
IV 700		40.6	47.8	56.3	64.7	69.0	76.0	80.2	82.7	86.3	89.1	90.1	91.3	92.6	92.7	92.9
IV 600		40.6	47.8	56.3	64.7	69.0	76.2	80.5	83.1	86.7	89.5	90.8	92.0	93.5	93.6	93.8
IV 500		40.7	47.9	56.4	64.8	69.1	76.3	80.7	83.4	87.1	90.1	91.7	93.0	94.6	94.7	95.0
IV 400		40.7	47.9	56.4	64.8	69.1	76.3	80.7	83.5	87.3	90.3	92.1	93.5	95.5	95.6	96.0
IV 300		40.7	47.9	56.4	64.9	69.1	76.4	80.8	83.6	87.3	90.6	92.4	94.1	96.4	96.7	97.3
IV 200		40.7	47.9	56.4	64.9	69.1	76.4	80.8	83.6	87.3	90.6	92.4	94.3	97.0	97.4	98.8
IV 100		40.7	47.9	56.4	64.9	69.1	76.4	80.8	83.6	87.3	90.6	92.4	94.3	97.0	97.4	99.2
IV 0		40.7	47.9	56.4	64.9	69.1	76.4	80.8	83.6	87.3	90.7	92.6	94.5	97.1	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2242



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 KIESBADEN AB GERMANY

46-70

YEAR

1957

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.75	≥0.5	≥0.25	≥0.15	≥0.10	≥0.05	≥0
NO CEILING		14.0	16.1	17.4	19.5	19.9	20.8	22.0	22.5	23.4	23.7	23.8	23.9	24.0	24.0	24.0
≥20000		16.0	18.7	20.2	22.8	23.4	24.5	25.9	26.5	27.5	28.0	28.3	28.4	28.5	28.5	28.5
≥18000		16.3	19.1	20.6	23.3	23.9	25.0	26.4	27.0	28.1	28.6	28.9	28.9	29.0	29.0	29.1
≥16000		16.4	19.1	20.7	23.3	24.0	25.1	26.5	27.1	28.2	28.7	28.9	29.0	29.1	29.1	29.2
≥14000		16.5	19.3	21.0	23.7	24.4	25.5	26.9	27.6	28.7	29.2	29.4	29.5	29.6	29.6	29.7
≥12000		17.1	19.9	21.6	24.4	25.0	26.1	27.5	28.2	29.3	29.8	30.1	30.1	30.2	30.2	30.3
≥10000		18.1	21.0	23.1	26.0	26.6	27.9	29.5	30.2	31.4	31.9	32.2	32.3	32.4	32.4	32.4
≥9000		18.6	21.7	23.9	26.8	27.6	28.9	30.5	31.3	32.5	33.0	33.3	33.3	33.4	33.4	33.5
≥8000		19.9	23.1	25.6	29.0	29.9	31.6	33.3	34.2	35.3	36.1	36.3	36.5	36.5	36.5	36.6
≥7000		21.1	24.4	27.0	30.9	31.9	33.7	35.7	36.7	38.0	38.6	39.0	39.1	39.2	39.2	39.3
≥6000		23.3	26.8	30.1	34.1	35.2	37.2	39.3	40.2	41.7	42.3	42.7	42.8	42.9	42.9	43.0
≥5000		25.1	29.0	32.5	36.9	38.2	40.2	42.3	43.3	44.8	45.5	45.9	46.0	46.2	46.2	46.2
≥4500		27.3	31.5	35.4	40.0	41.4	43.6	45.8	46.8	48.4	49.2	49.7	49.8	50.0	50.0	50.0
≥4000		27.8	34.0	38.2	43.3	44.8	47.2	49.4	50.5	52.0	53.0	53.4	53.6	53.8	53.8	53.8
≥3500		31.7	36.8	41.4	47.0	48.6	51.2	53.5	54.6	56.1	57.1	57.6	57.8	57.9	57.9	58.0
≥3000		34.2	39.6	45.0	50.9	52.7	55.8	58.3	59.4	61.2	62.3	62.8	63.0	63.1	63.1	63.2
≥2500		36.7	42.9	49.2	55.4	57.8	61.4	64.2	65.3	67.3	68.4	68.9	69.1	69.3	69.3	69.4
≥2000		40.5	47.4	53.0	62.0	64.7	68.5	71.5	72.8	75.1	76.2	76.9	77.1	77.4	77.4	77.5
≥1800		40.9	48.1	56.0	63.4	66.0	70.1	73.1	74.4	77.0	78.3	78.8	79.1	79.3	79.3	79.4
≥1500		41.9	49.8	58.4	66.4	69.6	74.1	77.4	78.9	81.3	82.9	83.4	83.7	83.9	83.9	84.0
≥1200		42.5	50.6	59.9	68.3	71.8	76.7	80.2	81.8	84.7	86.1	86.4	87.2	87.5	87.5	87.5
≥1000		42.9	51.1	60.5	69.2	72.8	77.9	81.7	83.5	86.7	88.4	88.9	89.6	89.9	89.9	90.0
≥900		42.9	51.1	60.6	69.3	72.9	78.2	82.0	83.7	87.0	88.8	89.4	90.1	90.4	90.4	90.4
≥800		42.9	51.1	60.6	69.6	73.4	78.5	82.7	84.3	87.9	89.9	90.6	91.2	91.6	91.6	91.6
≥700		42.9	51.1	60.6	69.6	73.5	79.0	83.0	84.8	88.3	90.4	91.1	91.7	92.0	92.1	92.1
≥600		42.9	51.1	60.6	69.6	73.5	79.2	83.5	85.6	89.1	91.4	92.1	92.8	93.2	93.2	93.3
≥500		42.9	51.1	60.6	69.6	73.5	79.3	83.6	85.9	89.5	92.1	92.8	93.7	94.2	94.3	94.3
≥400		43.0	51.2	60.7	69.7	73.6	79.3	84.0	86.3	90.1	92.9	93.7	94.7	95.3	95.3	95.3
≥300		43.0	51.2	60.7	69.7	73.6	79.3	84.0	86.4	90.4	93.4	94.3	95.4	96.4	96.5	96.8
≥200		43.0	51.2	60.7	69.7	73.6	79.3	84.0	86.4	90.4	93.5	94.4	95.7	97.2	97.5	98.4
≥100		43.0	51.2	60.7	69.7	73.6	79.3	84.0	86.4	90.4	93.5	94.4	95.7	97.3	97.6	98.3
≥0		43.0	51.2	60.7	69.7	73.6	79.3	84.0	86.4	90.4	93.5	94.4	95.8	97.3	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2249



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

35010 IESSBADEN AB GERMANY

40-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	14.6	17.1	19.1	21.2	22.3	23.5	24.2	24.4	24.9	25.2	25.2	25.3	25.5	25.5	25.7	
IV 18000	16.1	18.9	21.1	23.4	24.5	26.0	27.0	27.2	27.8	28.2	28.2	28.3	28.5	28.6	28.9	
IV 16000	16.3	19.1	21.3	23.7	24.8	26.4	27.5	27.7	28.3	28.7	28.7	28.8	29.0	29.1	29.3	
IV 14000	16.3	19.1	21.3	23.8	24.9	26.5	27.5	27.7	28.4	28.8	28.8	28.9	29.1	29.2	29.4	
IV 12000	16.3	19.1	21.3	23.9	25.0	26.8	27.8	28.0	28.6	29.0	29.0	29.1	29.3	29.4	29.7	
IV 10000	16.6	19.4	21.6	24.2	25.4	27.2	28.2	28.5	29.1	29.5	29.5	29.6	29.8	29.9	30.1	
IV 9000	17.9	20.8	23.6	26.4	27.5	29.5	30.6	30.9	31.5	31.9	31.9	32.0	32.3	32.4	32.6	
IV 8000	18.5	21.5	24.4	27.2	28.6	30.7	32.1	32.4	33.0	33.4	33.4	33.5	33.8	33.9	34.1	
IV 7000	19.6	22.9	26.0	29.3	30.7	32.9	34.6	35.0	35.6	36.1	36.1	36.2	36.6	36.6	36.9	
IV 6000	20.5	24.0	27.5	30.7	32.1	34.6	36.3	36.8	37.5	38.0	38.0	38.2	38.6	38.6	39.0	
IV 5000	22.8	26.8	30.7	34.1	35.7	38.2	40.0	40.6	41.4	41.9	41.9	42.1	42.3	42.6	42.9	
IV 4500	24.8	29.3	33.7	37.4	39.0	41.6	43.7	44.2	45.2	45.8	45.8	46.0	46.4	46.5	46.8	
IV 4000	27.2	32.1	36.5	40.4	42.3	45.0	47.2	47.7	48.7	49.2	49.3	49.6	50.0	50.1	50.4	
IV 3500	28.9	34.2	39.0	43.3	45.2	48.0	50.3	50.8	51.8	52.6	52.7	52.9	53.4	53.5	53.9	
IV 3000	30.8	36.6	41.9	46.5	48.5	51.5	53.7	54.3	55.4	56.2	56.3	56.7	57.2	57.3	57.7	
IV 2500	33.9	40.2	46.2	51.0	53.2	56.5	59.9	59.5	60.8	61.7	61.8	62.2	62.6	62.8	63.1	
IV 2000	36.9	43.8	50.3	55.3	57.7	61.1	63.8	64.3	66.0	66.9	67.0	67.4	67.9	68.0	68.4	
IV 1800	40.6	48.4	56.1	62.2	64.9	68.9	71.9	72.8	74.5	75.4	75.6	76.0	76.5	76.7	77.0	
IV 1500	41.2	49.3	57.3	63.7	66.5	70.7	73.7	74.7	76.4	77.4	77.5	78.0	78.5	78.6	79.0	
IV 1200	42.7	51.4	59.6	66.3	69.5	74.3	77.6	78.5	80.5	81.6	81.7	82.1	82.7	82.8	83.2	
IV 1000	43.4	52.6	61.2	68.2	71.6	76.8	80.3	81.4	83.6	84.7	85.0	85.4	85.9	86.1	86.4	
IV 900	43.9	53.0	62.5	69.6	73.4	79.0	82.9	84.1	86.5	87.9	88.1	88.6	89.1	89.3	89.6	
IV 800	44.0	53.7	62.6	69.9	73.7	79.6	83.6	84.9	87.4	88.8	89.0	89.5	90.1	90.2	90.6	
IV 700	44.0	53.7	62.8	70.3	74.1	80.4	84.4	85.8	88.5	89.9	90.2	90.7	91.2	91.3	91.7	
IV 600	44.0	53.8	62.9	70.6	74.6	80.9	85.1	86.6	89.4	91.1	91.4	91.9	92.3	92.7	93.0	
IV 500	44.0	53.8	62.9	70.6	74.6	81.0	85.3	86.9	89.8	91.8	92.1	92.6	93.1	93.5	94.2	
IV 400	44.0	53.8	62.9	70.6	74.6	81.0	85.4	87.0	89.8	91.9	92.2	92.7	93.2	93.6	94.7	
IV 300	44.0	53.8	62.9	70.6	74.6	81.0	85.4	87.0	90.2	92.4	92.9	93.4	93.9	94.3	95.2	
IV 200	44.0	53.8	62.9	70.6	74.6	81.0	85.4	87.0	90.2	92.6	93.1	94.3	95.9	96.2	97.9	
IV 100	44.0	53.8	62.9	70.6	74.6	81.0	85.4	87.1	90.2	92.6	93.1	94.5	96.0	96.4	98.0	
IV 0	44.0	53.8	62.9	70.6	74.6	81.0	85.4	87.1	90.2	92.7	93.2	94.5	96.3	96.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 2246

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 NIESBADEN AB GERMANY

40-70

YEARS

250

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING ≥ 20000		12.2	14.5	17.2	18.7	19.5	21.2	22.0	22.4	23.4	23.7	23.9	23.9	24.0	24.0	24.1
≥ 18000		12.7	15.2	18.0	19.5	20.4	22.1	23.0	23.4	24.5	24.8	25.0	25.0	25.1	25.1	25.3
≥ 16000		12.7	15.3	18.1	19.7	20.6	22.2	23.1	23.6	24.6	24.9	25.1	25.2	25.2	25.3	25.5
≥ 14000		12.7	15.3	18.1	19.7	20.6	22.3	23.3	23.7	24.8	25.1	25.3	25.3	25.4	25.5	25.6
≥ 12000		13.0	15.7	18.6	20.2	21.2	23.0	24.0	24.4	25.4	25.8	25.9	26.0	26.1	26.1	26.3
≥ 10000		13.5	16.3	19.3	21.1	22.0	24.0	25.0	25.3	26.6	26.9	27.1	27.1	27.2	27.3	27.4
≥ 9000		13.8	16.6	19.6	21.5	22.5	24.5	25.6	26.2	27.2	27.6	27.8	27.8	27.9	28.0	28.1
≥ 8000		14.7	17.8	21.0	23.1	24.1	26.2	27.3	27.9	28.9	29.5	29.8	29.7	29.8	29.8	30.0
≥ 7000		15.4	18.6	21.9	24.0	25.2	27.2	28.4	29.0	30.1	30.7	30.9	30.9	31.0	31.1	31.2
≥ 6000		16.3	19.6	23.1	25.2	26.3	28.5	29.6	30.3	31.4	32.1	32.3	32.4	32.5	32.5	32.7
≥ 5000		17.5	21.1	25.0	27.1	28.2	30.5	31.6	32.5	33.7	34.4	34.5	34.6	34.7	34.8	34.9
≥ 4500		18.9	22.7	26.9	29.1	30.3	32.7	34.0	34.7	35.9	36.6	36.8	36.9	37.0	37.0	37.2
≥ 4000		20.0	23.9	28.4	30.8	32.0	34.6	36.0	36.6	37.9	38.7	38.9	39.0	39.1	39.1	39.3
≥ 3500		21.2	25.6	30.3	32.9	34.1	36.8	38.2	38.9	40.2	41.0	41.2	41.2	41.4	41.4	41.6
≥ 3000		23.8	28.6	34.0	36.7	38.0	40.8	42.3	43.0	44.3	45.2	45.4	45.5	45.6	45.6	45.8
≥ 2500		26.3	32.9	39.6	43.1	44.5	47.7	49.6	50.3	51.8	52.8	53.0	53.1	53.2	53.3	53.5
≥ 2000		32.9	39.6	46.2	50.6	52.3	56.0	58.3	59.4	60.9	61.9	62.2	62.3	62.3	62.3	62.3
≥ 1800		34.1	41.3	48.1	52.9	54.7	58.7	61.3	62.3	63.9	64.9	65.2	65.3	65.4	65.5	65.7
≥ 1500		36.1	44.6	52.1	57.9	60.0	65.0	68.3	69.4	71.2	72.3	72.8	73.0	73.2	73.2	73.3
≥ 1200		36.7	45.6	54.1	60.6	63.3	68.9	72.4	73.5	75.6	77.1	77.3	77.7	77.9	78.0	78.2
≥ 1000		37.1	46.2	55.1	62.9	66.1	72.1	76.1	77.4	79.8	81.6	82.2	82.4	82.6	82.7	82.9
≥ 900		37.2	46.4	55.6	63.6	67.1	73.3	77.6	78.8	81.4	83.3	83.9	84.1	84.3	84.4	84.7
≥ 800		37.3	46.5	55.7	63.8	67.4	73.8	78.3	79.5	82.3	84.4	85.1	85.3	85.7	85.8	86.1
≥ 700		37.3	46.5	55.9	64.1	68.0	74.4	79.1	80.3	83.3	85.3	86.2	86.6	87.1	87.2	87.4
≥ 600		37.3	46.5	56.0	64.3	68.3	75.1	80.2	81.6	84.7	87.2	87.9	88.4	88.8	88.9	89.2
≥ 500		37.3	46.6	56.2	64.5	68.5	75.3	81.0	82.5	85.8	88.4	89.3	90.0	90.6	90.7	91.1
≥ 400		37.4	46.7	56.3	64.6	68.6	75.9	81.3	82.9	86.5	89.2	90.2	91.1	91.7	91.8	92.3
≥ 300		37.4	46.7	56.5	64.6	68.6	75.9	81.3	83.0	86.8	89.7	90.8	91.8	92.8	93.0	93.6
≥ 200		37.4	46.7	56.5	64.6	68.6	75.9	81.4	83.0	87.0	89.8	90.9	92.2	93.7	94.1	95.1
≥ 100		37.4	46.7	56.5	64.6	68.6	75.9	81.4	83.0	87.0	89.8	91.0	92.3	94.1	94.6	95.9
≥ 0		37.6	46.7	56.5	64.5	68.6	75.9	81.4	83.0	87.0	89.8	91.0	92.3	94.1	94.7	100.0

TOTAL NUMBER OF OBSERVATIONS

2325

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 NIESBADEN AB GERMANY  
STATION

46-70

YEAR

350

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 0
NO CEILING ≥ 20000	12.6	14.7	16.6	18.2	19.0	20.3	21.1	21.3	21.9	22.1	22.2	22.2	22.2	22.3	22.3	22.6
IV 18000	13.1	15.4	17.4	19.1	20.0	21.3	22.1	22.4	22.9	23.1	23.2	23.3	23.4	23.4	23.4	23.7
IV 16000	13.1	15.4	17.4	19.1	20.0	21.3	22.1	22.4	22.9	23.1	23.2	23.3	23.4	23.4	23.4	23.7
IV 14000	13.1	15.4	17.4	19.2	20.1	21.4	22.2	22.5	23.1	23.3	23.3	23.4	23.5	23.5	23.5	23.8
IV 12000	13.4	15.9	17.8	19.7	20.5	21.8	22.7	22.9	23.5	23.7	23.7	23.8	23.9	24.0	24.0	24.3
IV 10000	13.7	16.2	18.2	20.0	21.0	22.3	23.4	23.7	24.3	24.7	24.7	24.8	24.9	24.9	25.2	25.2
IV 9000	14.3	16.9	19.0	20.9	21.9	23.3	24.5	24.8	25.5	25.8	26.0	26.1	26.2	26.2	26.5	26.5
IV 8000	15.1	17.8	20.1	22.1	23.1	24.9	25.9	26.2	26.9	27.3	27.4	27.6	27.7	27.7	28.0	28.0
IV 7000	15.8	18.7	21.2	23.3	24.6	26.4	27.5	27.9	28.6	29.2	29.3	29.5	29.6	29.6	29.9	29.9
IV 6000	16.7	19.7	22.3	24.8	26.0	28.0	29.1	29.5	30.3	30.8	31.0	31.1	31.3	31.3	31.5	31.5
IV 5000	18.1	21.4	24.3	27.1	28.3	30.3	31.5	31.9	32.7	33.3	33.4	33.6	33.7	33.8	34.1	34.1
IV 4500	19.6	23.0	26.2	29.0	30.3	32.3	33.6	34.1	34.9	35.7	35.8	36.0	36.1	36.2	36.5	36.5
IV 4000	20.6	24.1	27.6	30.5	31.9	34.0	35.3	35.7	36.6	37.3	37.5	37.7	37.8	37.8	38.2	38.2
IV 3500	22.7	26.3	29.9	33.0	34.5	36.6	38.1	38.5	39.4	40.2	40.3	40.5	40.6	40.7	41.0	41.0
IV 3000	26.5	30.3	34.2	37.7	39.4	41.6	43.3	43.9	44.8	45.6	45.8	46.1	46.2	46.2	46.5	46.5
IV 2500	30.0	34.3	38.9	42.9	44.8	47.4	49.3	50.0	51.1	51.9	52.2	52.5	52.6	52.7	53.0	53.0
IV 2000	34.6	40.1	45.5	50.5	52.6	56.0	58.1	58.9	60.3	61.3	61.5	62.0	62.2	62.2	62.5	62.5
IV 1800	36.1	41.8	47.3	52.6	55.0	58.6	60.9	61.7	63.3	64.3	64.6	65.0	65.2	65.2	65.5	65.5
IV 1500	37.4	44.0	50.4	56.3	58.8	63.2	65.8	66.8	68.7	69.8	70.2	70.5	70.8	70.8	71.2	71.2
IV 1200	38.5	46.0	53.1	59.5	62.4	67.2	70.2	71.2	73.3	74.7	75.0	75.4	75.7	75.7	76.1	76.1
IV 1000	38.8	46.8	54.4	61.8	64.9	70.2	73.3	74.6	76.9	78.6	79.1	79.5	80.0	80.1	80.6	80.6
IV 900	38.9	47.0	54.8	62.7	66.1	71.3	74.8	75.9	78.5	80.2	80.6	81.1	81.5	81.7	82.1	82.1
IV 800	39.0	47.3	55.6	63.8	67.2	72.7	76.5	77.6	80.2	82.1	82.6	83.0	83.4	83.6	84.0	84.0
IV 700	39.0	47.4	55.6	64.3	67.7	73.3	77.5	78.8	81.7	83.6	84.1	84.7	85.2	85.3	85.8	85.8
IV 600	39.0	47.4	55.6	64.4	67.9	73.9	78.1	79.4	82.5	84.5	85.1	85.7	86.2	86.3	86.8	86.8
IV 500	39.0	47.4	55.7	64.5	68.0	74.2	78.0	80.7	84.0	86.4	87.1	88.0	88.6	88.8	89.2	89.2
IV 400	39.0	47.4	55.7	64.6	68.1	74.3	78.4	81.3	84.8	87.4	88.1	89.2	90.0	90.2	90.6	90.6
IV 300	39.0	47.4	55.7	64.6	68.1	74.3	78.4	81.3	85.2	87.8	88.7	90.2	91.3	91.6	92.3	92.3
IV 200	39.0	47.4	55.7	64.6	68.1	74.6	79.5	81.4	85.4	88.0	88.9	90.8	92.1	92.6	94.0	94.0
IV 100	39.0	47.7	55.7	64.6	68.1	74.6	79.5	81.4	85.4	88.1	89.1	90.7	92.4	93.0	95.8	95.8
IV 0	39.0	47.7	55.7	64.6	68.1	74.6	79.5	81.4	85.4	88.1	89.1	90.8	92.7	93.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/ETAC

# CEILING VERSUS VISIBILITY

35010

VIESHADEN AB GERMANY

40-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2+	≥2	≥1+	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥0
NO CEILING		10.4	12.2	13.1	14.5	14.9	16.0	16.6	16.8	17.2	17.4	17.4	17.5	17.5	17.7	18.0
≥ 20000		11.0	13.0	14.0	15.3	16.0	17.2	17.8	18.0	18.5	18.8	18.8	19.0	19.0	19.2	19.3
≥ 18000		11.0	13.1	14.2	15.7	16.1	17.3	17.9	18.3	18.7	18.9	19.0	19.1	19.1	19.3	19.7
IV 16000		11.1	13.2	14.2	15.7	16.2	17.3	18.0	18.2	18.7	19.0	19.0	19.1	19.2	19.4	19.7
IV 14000		11.1	13.2	14.2	15.7	16.2	17.4	18.0	18.3	18.8	19.1	19.1	19.2	19.3	19.4	19.8
IV 12000		11.2	13.4	14.5	16.0	16.5	17.7	18.3	18.6	19.1	19.4	19.4	19.5	19.6	19.7	20.1
IV 10000		11.5	13.8	14.5	16.5	17.0	18.4	19.1	19.3	19.8	20.1	20.1	20.3	20.3	20.5	20.8
IV 9000		11.5	14.2	15.5	17.2	17.9	19.3	19.9	20.2	20.7	20.9	21.0	21.1	21.2	21.3	21.7
IV 8000		12.3	14.7	16.2	18.1	18.8	20.2	20.9	21.2	21.8	22.1	22.2	22.3	22.3	22.5	22.8
IV 7000		13.4	15.9	17.5	19.5	20.2	21.7	22.5	23.0	23.7	24.0	24.0	24.2	24.2	24.4	24.7
IV 6000		14.6	17.2	18.8	21.2	21.9	23.5	24.3	24.7	25.4	25.8	25.8	26.0	26.0	26.2	26.5
IV 5000		15.7	18.8	20.6	23.3	24.1	25.9	26.6	27.2	28.0	28.3	28.3	28.6	28.6	28.8	29.2
IV 4500		16.8	20.2	22.0	24.9	25.7	27.5	28.3	28.8	29.5	30.0	30.1	30.2	30.3	30.5	30.8
IV 4000		18.4	21.8	24.0	27.0	27.9	29.8	30.8	31.2	32.0	32.4	32.7	32.9	32.9	33.1	33.5
IV 3500		20.4	24.1	26.6	29.9	30.9	32.9	34.0	34.5	35.3	35.9	36.0	36.1	36.2	36.3	36.7
IV 3000		23.3	27.4	30.4	34.1	35.2	37.3	38.8	39.4	40.2	40.9	41.0	41.2	41.2	41.4	41.8
IV 2500		26.8	31.7	35.2	39.4	40.7	43.3	44.8	45.3	46.5	47.3	47.5	47.7	47.7	47.9	48.3
IV 2000		31.7	37.6	41.7	45.3	48.0	51.6	53.4	54.1	55.9	56.9	57.2	57.3	57.3	57.7	58.1
IV 1800		33.3	39.5	43.5	48.6	50.5	54.0	56.1	56.9	59.0	60.1	60.3	60.3	60.7	60.9	61.3
IV 1500		35.7	42.7	48.0	53.7	55.8	59.8	62.4	63.3	65.8	67.1	67.4	67.7	67.9	68.1	68.6
IV 1200		36.6	44.0	50.2	56.8	59.2	63.9	66.8	67.9	70.7	72.2	72.3	72.8	73.1	73.4	73.8
IV 1000		37.2	45.0	51.6	59.0	61.8	67.1	70.4	71.7	74.8	76.6	76.9	77.3	77.8	78.0	78.5
IV 900		37.3	45.2	52.1	59.8	62.7	68.5	72.0	73.4	76.8	78.4	78.8	79.1	79.6	79.9	80.4
IV 800		37.3	45.6	52.8	60.7	63.8	70.1	74.0	75.6	78.7	80.6	81.2	81.6	82.2	82.4	82.9
IV 700		37.4	45.7	52.9	61.0	64.2	70.7	74.8	76.3	80.0	82.2	82.8	83.1	83.7	83.9	84.4
IV 600		37.4	45.7	53.0	61.2	64.4	71.1	75.3	77.0	80.4	83.2	83.8	84.1	84.7	85.0	85.5
IV 500		37.4	45.7	53.2	61.5	64.8	71.5	75.4	78.3	82.6	85.2	85.7	86.3	87.2	87.6	88.3
IV 400		37.4	45.7	53.2	61.5	64.8	71.5	77.0	79.1	83.8	86.6	87.1	88.1	89.0	89.5	90.2
IV 300		37.4	45.7	53.2	61.5	64.8	72.0	77.2	79.2	84.1	87.2	88.0	89.1	90.3	91.1	92.1
IV 200		37.4	45.7	53.2	61.5	64.8	72.0	77.2	79.4	84.4	87.7	88.4	89.7	91.6	92.3	94.2
IV 100		37.4	45.7	53.2	61.5	64.8	72.0	77.2	79.4	84.4	87.7	88.5	89.8	92.1	93.2	96.7
IV 0		37.4	45.7	53.2	61.5	64.8	72.0	77.2	79.4	84.4	87.7	88.5	89.9	92.2	93.2	100.0

TOTAL NUMBER OF OBSERVATIONS

2325

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 RIESBADEN AB GERMANY

46-76

256

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

8900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥.75	≥.5	≥.25	≥.16	≥.1	≥.05	≥0
NO CEILING ≥ 20000	8.0	9.0	10.3	11.1	11.6	12.3	12.6	13.1	13.8	14.5	14.6	14.7	14.7	14.7	15.0	
IV 18000	9.3	10.8	12.3	13.3	13.9	14.5	15.2	15.6	16.5	17.3	17.5	17.6	17.7	17.7	18.1	
IV 16000	9.6	11.0	12.7	13.5	14.0	14.7	15.4	15.7	16.7	17.5	17.6	17.8	17.8	17.8	18.2	
IV 14000	9.7	11.1	12.9	13.7	14.2	14.9	15.3	16.0	16.9	17.7	17.9	18.0	18.1	18.1	18.5	
IV 12000	10.1	11.7	13.6	14.6	15.1	15.9	16.6	17.0	17.9	18.8	18.9	19.1	19.2	19.2	19.6	
IV 10000	10.8	12.5	14.4	15.7	16.3	17.2	17.9	18.4	19.3	20.3	20.5	20.7	20.7	20.7	21.1	
IV 9000	11.1	13.0	15.0	16.6	17.2	18.2	18.9	19.3	20.4	21.3	21.6	21.8	21.9	21.9	22.3	
IV 8000	11.9	13.9	16.0	17.8	18.5	19.6	20.6	21.1	22.3	23.3	23.6	23.8	23.9	23.9	24.3	
IV 7000	12.8	15.0	17.2	19.1	19.8	21.2	22.2	22.8	24.1	25.1	25.3	25.6	25.7	25.8	26.2	
IV 6000	13.5	15.8	18.4	20.4	21.1	22.6	23.8	24.3	25.6	26.7	27.1	27.2	27.4	27.4	27.9	
IV 5000	14.5	17.1	19.8	22.2	23.0	24.8	26.0	26.5	27.9	29.0	29.4	29.6	29.9	29.9	30.4	
IV 4500	15.5	18.0	20.8	23.5	24.4	26.3	27.6	28.1	29.5	30.6	31.1	31.3	31.5	31.5	32.1	
IV 4000	16.5	19.3	22.5	25.3	26.2	28.4	29.9	30.5	32.0	33.2	33.6	33.9	34.1	34.1	34.6	
IV 3500	18.0	21.1	24.5	27.8	29.0	31.5	33.0	33.7	35.2	36.5	37.0	37.3	37.5	37.6	38.1	
IV 3000	20.3	23.9	28.0	31.8	33.3	36.2	37.9	38.8	40.6	42.0	42.5	42.8	43.0	43.2	43.7	
IV 2500	22.9	26.9	32.1	36.6	38.6	41.9	43.9	45.0	47.1	48.6	49.2	49.7	50.1	50.3	50.8	
IV 2000	25.9	31.0	36.9	42.6	45.2	49.0	51.7	52.9	55.3	57.3	58.0	58.7	59.4	59.6	60.1	
IV 1800	26.9	32.1	38.3	44.2	47.0	51.1	53.9	55.2	57.7	59.7	60.4	61.1	61.9	62.0	62.6	
IV 1500	28.4	34.2	41.1	48.0	51.2	56.1	59.6	61.1	64.2	66.6	67.5	68.8	69.6	69.7	70.3	
IV 1200	29.2	35.2	42.6	50.2	54.0	59.8	63.6	65.3	68.7	71.4	72.4	73.9	74.7	74.8	75.5	
IV 1000	29.2	35.9	44.1	52.8	56.2	62.1	66.6	68.5	72.1	75.2	76.3	78.0	78.8	78.9	79.6	
IV 900	29.3	36.0	44.3	52.8	56.8	62.9	67.3	69.4	73.2	76.5	77.6	79.3	80.1	80.2	80.9	
IV 800	29.3	36.1	44.9	53.3	57.7	64.0	69.0	71.2	75.1	78.8	80.0	81.8	82.7	82.8	83.5	
IV 700	29.3	36.1	44.9	53.7	58.6	64.4	69.7	72.0	76.3	80.3	81.6	83.6	84.6	84.8	85.5	
IV 600	29.3	36.1	45.1	54.0	59.3	64.7	70.2	72.7	77.2	81.3	82.8	85.1	86.2	86.4	87.1	
IV 500	29.3	36.1	45.1	54.2	59.4	64.9	70.8	73.4	78.1	82.6	84.2	86.7	88.0	88.3	89.2	
IV 400	29.3	36.1	45.1	54.2	59.4	65.0	71.2	73.7	78.7	83.4	85.3	88.0	89.5	89.9	90.2	
IV 300	29.3	36.1	45.1	54.2	59.4	65.0	71.2	73.8	78.8	83.9	86.1	89.1	91.7	92.2	93.2	
IV 200	29.3	36.1	45.1	54.2	59.4	65.0	71.2	73.8	78.8	83.9	86.1	89.2	92.8	93.4	96.2	
IV 100	29.3	36.1	45.1	54.2	59.4	65.0	71.2	73.8	78.8	83.9	86.1	89.2	92.8	93.5	96.1	
IV 0	29.3	36.1	45.1	54.2	59.4	65.0	71.2	73.8	78.8	83.9	86.1	89.3	92.8	93.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 AIESBADEN AB GERMANY

40-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.4	≥0.3	≥0.25	≥0.2	≥0.15	≥0
NO CEILING		8.3	9.5	10.5	12.0	12.4	13.1	13.7	14.2	14.8	15.1	15.1	15.4	15.4	15.4	15.4
≥20000		10.4	11.8	13.3	15.1	15.6	16.4	17.2	17.7	18.5	19.0	19.1	19.4	19.6	19.6	19.7
IV 18000		10.4	11.8	13.3	15.1	15.6	16.4	17.2	17.7	18.6	19.1	19.2	19.5	19.6	19.6	19.7
IV 16000		10.4	11.8	13.3	15.1	15.5	16.4	17.2	17.7	18.6	19.1	19.2	19.5	19.6	19.6	19.7
IV 14000		10.5	12.0	13.5	15.3	15.9	16.8	17.5	18.1	19.0	19.4	19.6	19.9	20.0	20.0	20.1
IV 12000		10.9	12.5	14.1	15.9	16.6	17.6	18.5	19.0	19.9	20.4	20.5	20.8	20.9	20.9	21.0
IV 10000		11.6	13.2	14.9	16.7	17.6	18.6	19.7	20.3	21.3	21.8	22.0	22.3	22.5	22.5	22.5
IV 9000		11.8	13.5	15.2	17.2	18.2	19.4	20.3	20.9	22.0	22.5	22.7	23.0	23.2	23.2	23.3
IV 8000		12.9	14.8	16.7	18.9	20.0	21.5	22.9	23.1	24.2	24.8	25.0	25.3	25.5	25.5	25.5
IV 7000		13.6	15.4	17.7	20.1	21.2	23.1	24.1	24.9	26.0	26.6	26.8	27.1	27.3	27.3	27.4
IV 6000		14.1	16.1	18.4	20.9	22.0	23.9	25.0	25.9	27.1	27.8	28.1	28.4	28.8	28.8	28.9
IV 5000		15.3	17.3	19.8	22.6	23.7	25.7	26.9	27.8	29.0	29.7	30.1	30.6	30.8	30.8	31.0
IV 4500		16.0	18.3	20.8	23.7	24.9	27.0	28.3	29.1	30.4	31.1	31.5	31.8	32.2	32.3	32.4
IV 4000		17.3	19.7	22.5	25.6	27.0	29.2	30.6	31.8	33.2	34.2	34.5	34.9	35.3	35.3	35.4
IV 3500		18.8	21.3	24.4	27.6	29.2	31.5	33.2	34.3	35.8	36.7	37.2	37.5	37.9	38.0	38.1
IV 3000		22.0	25.2	28.6	32.4	34.4	36.8	38.5	39.7	41.5	42.4	42.9	43.2	43.7	43.7	43.8
IV 2500		26.4	30.2	34.7	38.9	40.9	43.8	45.5	46.8	48.7	49.4	50.4	50.7	51.3	51.4	51.5
IV 2000		29.9	34.7	40.0	45.3	48.3	51.9	54.0	55.4	57.8	59.1	59.9	60.4	61.1	61.2	61.3
IV 1800		30.2	35.5	41.4	47.1	50.3	54.2	56.4	57.8	60.3	61.8	62.6	63.1	63.9	64.0	64.1
IV 1500		31.8	37.9	44.7	51.3	54.8	59.1	62.1	63.7	66.8	68.9	69.8	70.7	71.4	71.5	71.7
IV 1200		32.3	38.7	46.5	53.8	57.8	63.1	66.0	67.7	71.1	73.7	74.9	76.2	77.0	77.1	77.2
IV 1000		32.4	39.0	47.2	55.2	59.3	64.8	68.1	70.1	73.8	76.9	78.2	79.7	80.6	80.7	80.9
IV 900		32.4	39.1	47.4	55.6	59.7	65.3	69.0	71.0	74.9	78.2	79.4	81.0	81.9	82.1	82.3
IV 800		32.5	39.2	47.6	56.0	60.4	66.1	70.5	72.6	77.0	80.6	82.1	83.9	84.9	85.1	85.4
IV 700		32.5	39.2	47.7	56.3	60.8	67.2	71.2	73.4	78.2	81.8	83.4	85.4	86.6	86.7	87.0
IV 600		32.5	39.2	47.7	56.4	60.9	67.4	71.6	74.1	79.1	83.0	84.8	87.1	88.3	88.5	88.8
IV 500		32.5	39.2	47.7	56.6	61.1	67.7	72.1	74.7	80.3	84.5	86.4	89.2	90.6	90.7	91.2
IV 400		32.5	39.2	47.7	56.6	61.1	67.7	72.2	74.8	80.6	85.3	87.7	91.1	93.3	93.5	94.6
IV 300		32.5	39.2	47.7	56.6	61.1	67.7	72.2	74.8	80.6	85.3	87.8	91.3	94.3	94.7	97.2
IV 200		32.5	39.2	47.7	56.6	61.1	67.7	72.2	74.8	80.6	85.3	87.8	91.3	94.3	94.8	98.5
IV 100		32.5	39.2	47.7	56.6	61.1	67.7	72.2	74.8	80.6	85.3	87.8	91.3	94.3	94.8	98.5
IV 0		32.5	39.2	47.7	56.6	61.1	67.7	72.2	74.8	80.6	85.3	87.8	91.3	94.3	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 AIESBADEH AB GERMANY

4670

YEARS

EC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING		8.3	9.7	11.1	12.3	12.7	13.4	13.6	13.9	14.5	14.8	15.1	15.1	15.2	15.3	15.4
≥ 20000	10.2	11.8	13.5	14.9	15.3	16.4	17.0	17.4	18.1	18.3	18.7	18.8	19.0	19.1	19.3	
IV 18000	10.2	11.9	13.6	15.0	15.4	16.5	17.0	17.5	18.2	18.4	18.8	18.8	19.1	19.2	19.4	
IV 16000	10.2	11.9	13.6	15.0	15.4	16.6	17.1	17.6	18.2	18.5	18.8	18.9	19.1	19.2	19.4	
IV 14000	10.3	12.0	13.9	15.3	15.7	16.9	17.5	18.1	18.7	19.0	19.4	19.4	19.7	19.8	19.9	
IV 12000	10.8	12.7	14.5	16.0	16.5	17.7	18.4	19.0	19.6	19.9	20.3	20.3	20.6	20.7	20.8	
IV 10000	11.4	13.3	15.2	16.7	17.3	18.7	19.4	20.0	20.8	21.1	21.5	21.6	21.9	21.9	22.1	
IV 9000	11.7	13.7	15.7	17.3	17.9	19.3	20.0	20.6	21.4	21.7	22.2	22.2	22.5	22.6	22.8	
IV 8000	12.2	14.2	16.4	18.3	18.9	20.7	21.4	22.1	23.1	23.4	23.9	24.0	24.3	24.4	24.5	
IV 7000	13.3	15.4	17.8	19.8	20.4	22.4	23.3	24.1	25.1	25.5	25.9	26.1	26.4	26.5	26.6	
IV 6000	13.9	16.1	18.5	20.7	21.3	23.4	24.4	25.1	26.2	26.6	27.1	27.2	27.7	27.8	27.9	
IV 5000	15.3	17.8	20.6	22.8	23.5	25.6	26.7	27.6	28.9	29.5	29.8	30.1	30.6	30.6	30.9	
IV 4500	16.5	19.3	22.2	24.7	25.4	27.6	28.7	29.8	31.0	31.5	32.0	32.4	32.8	32.9	33.1	
IV 4000	18.5	21.7	24.9	27.4	28.2	30.5	31.6	32.7	34.1	34.9	35.5	35.8	36.3	36.4	36.6	
IV 3500	20.6	24.0	27.3	30.0	30.9	33.2	34.5	35.6	37.0	37.9	38.6	39.0	39.5	39.6	39.8	
IV 3000	23.8	27.8	31.8	34.8	36.1	38.8	40.1	41.3	42.9	43.9	44.8	45.8	46.7	46.8	46.9	
IV 2500	26.3	32.9	37.6	41.1	42.7	45.7	47.2	48.5	50.3	51.5	52.5	53.1	53.7	53.7	54.0	
IV 2000	31.5	37.5	43.4	47.9	50.1	54.1	56.0	57.3	59.8	61.3	62.3	63.1	63.9	64.0	64.3	
IV 1800	32.1	38.3	44.6	49.4	51.8	55.8	58.0	59.5	62.0	63.6	64.7	65.5	66.2	66.4	66.7	
IV 1500	33.6	40.7	48.1	53.5	56.4	61.0	63.6	65.4	68.5	70.7	71.9	72.8	73.5	73.7	74.0	
IV 1200	34.1	41.4	49.3	55.4	58.8	63.8	66.8	68.8	72.2	74.9	76.3	77.3	78.1	78.3	78.6	
IV 1000	34.3	41.6	50.0	56.8	60.8	66.4	69.8	71.9	75.9	78.9	80.6	81.7	82.7	82.8	83.1	
IV 900	34.3	41.6	50.1	57.0	61.0	66.9	70.3	72.6	76.7	79.8	81.5	82.6	83.4	83.7	84.0	
IV 800	34.3	41.6	50.1	57.1	61.2	67.3	71.1	73.5	77.8	81.2	83.1	84.5	85.5	85.6	85.9	
IV 700	34.3	41.6	50.1	57.2	61.4	67.4	71.6	74.0	78.7	82.4	84.3	86.0	87.2	87.3	87.7	
IV 600	34.3	41.6	50.1	57.3	61.4	67.5	72.0	74.6	79.6	83.4	85.5	87.3	88.6	88.9	89.2	
IV 500	34.3	41.6	50.1	57.3	61.5	67.8	72.5	75.2	80.5	84.5	87.0	89.6	91.1	91.4	92.0	
IV 400	34.3	41.6	50.1	57.3	61.6	67.9	72.7	75.3	80.8	85.6	88.0	91.0	92.8	93.0	93.7	
IV 300	34.3	41.6	50.1	57.3	61.6	67.9	72.7	75.3	80.8	85.7	88.2	91.8	93.8	94.1	95.0	
IV 200	34.3	41.6	50.1	57.3	61.6	67.9	72.7	75.3	80.9	85.8	88.4	91.8	94.7	95.1	96.9	
IV 100	34.3	41.6	50.1	57.3	61.6	67.9	72.7	75.3	80.9	85.8	88.4	91.8	94.8	95.3	98.4	
IV 0	34.3	41.6	50.1	57.3	61.6	67.9	72.7	75.3	80.9	85.8	88.4	91.8	94.9	95.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 2224

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

35010 NIESBADEN AB GERMANY

46-75

55

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1965-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		11.8	13.4	15.1	16.4	17.2	18.9	19.6	19.7	20.3	20.6	20.7	20.8	20.8	20.8	20.8
≥20000		12.8	14.5	16.5	18.1	19.0	20.9	21.8	22.0	22.6	23.0	23.1	23.2	23.2	23.2	23.2
≥18000		12.8	14.5	16.5	18.1	19.0	20.9	21.8	22.1	22.7	23.1	23.1	23.2	23.2	23.3	23.3
≥16000		12.8	14.5	16.5	18.1	19.0	20.9	21.8	22.1	22.7	23.1	23.1	23.2	23.2	23.3	23.3
≥14000		12.8	14.6	16.7	18.3	19.2	21.1	22.0	22.2	22.8	23.2	23.3	23.4	23.4	23.4	23.4
≥12000		13.0	14.8	16.9	18.6	19.6	21.5	22.5	22.7	23.3	23.7	23.8	23.9	23.9	23.9	23.9
≥10000		14.2	16.1	18.4	20.2	21.2	23.3	24.2	24.4	25.2	25.5	25.6	25.7	25.7	25.8	25.8
≥9000		14.7	16.5	18.9	20.8	22.0	24.1	25.1	25.3	25.1	26.5	26.6	26.7	26.7	26.7	26.7
≥8000		15.3	17.2	19.7	21.8	23.2	25.4	26.5	26.8	27.6	28.0	28.1	28.2	28.2	28.3	28.3
≥7000		16.3	18.3	20.9	23.2	24.6	26.9	28.0	28.4	29.2	29.7	29.8	29.9	29.9	30.0	30.0
≥6000		17.1	19.2	21.9	24.4	25.8	28.2	29.4	29.8	30.8	31.2	31.3	31.4	31.5	31.5	31.5
≥5000		18.9	21.3	24.2	26.8	28.3	30.9	32.2	32.6	33.7	34.2	34.3	34.4	34.5	34.5	34.5
≥4500		20.4	23.0	26.3	29.4	30.9	33.6	35.1	35.5	36.5	37.0	37.1	37.2	37.3	37.3	37.3
≥4000		22.1	24.9	28.8	31.9	33.5	36.3	37.8	38.3	39.4	40.0	40.0	40.3	40.3	40.3	40.3
≥3500		23.9	27.1	31.4	34.7	35.8	39.4	41.2	41.7	42.9	43.7	43.8	44.0	44.1	44.1	44.1
≥3000		26.5	30.5	35.0	38.5	40.4	43.5	45.6	46.2	47.5	48.5	48.6	48.9	48.9	49.0	49.0
≥2500		31.4	35.6	41.2	45.1	47.3	50.7	53.1	53.7	55.1	56.1	56.3	56.5	56.6	56.6	56.6
≥2000		34.4	39.7	46.8	51.8	54.5	58.6	61.8	62.5	64.3	65.5	65.7	66.0	66.1	66.2	66.2
≥1800		35.1	40.9	48.2	53.9	56.9	61.4	64.7	65.3	67.3	68.5	68.7	69.0	69.2	69.2	69.2
≥1500		36.9	43.7	52.0	58.3	61.8	66.9	70.7	71.5	73.5	74.8	75.1	75.5	75.7	75.7	75.7
≥1200		37.4	44.6	53.7	60.6	64.3	69.6	73.7	75.0	77.3	78.9	79.3	79.7	79.9	79.9	79.9
≥1000		37.6	44.8	54.4	62.0	65.3	72.0	76.5	77.8	80.9	82.9	83.3	83.7	84.0	84.1	84.1
≥900		37.6	44.9	54.5	62.2	65.5	72.6	77.2	78.7	81.8	84.0	84.5	84.9	85.2	85.3	85.3
≥800		37.6	44.9	54.6	62.5	67.3	73.5	78.6	80.3	83.7	86.3	86.8	87.2	87.6	87.6	87.6
≥700		37.6	44.9	54.8	62.8	67.6	73.9	79.3	81.2	84.8	87.5	88.0	88.5	88.8	88.9	88.9
≥600		37.6	44.9	54.8	62.9	67.8	74.3	79.7	81.6	85.6	88.5	89.3	89.8	90.2	90.2	90.2
≥500		37.6	44.9	54.8	62.9	67.8	74.3	80.0	82.0	85.3	89.5	90.5	91.2	91.6	91.7	91.7
≥400		37.6	44.9	54.8	63.0	68.0	74.6	80.3	82.4	86.8	90.2	91.4	92.4	93.0	93.1	93.1
≥300		37.6	44.9	54.8	63.0	68.0	74.6	80.3	82.4	87.1	90.6	92.0	93.3	94.1	94.2	94.2
≥200		37.6	44.9	54.8	63.0	68.0	74.6	80.3	82.4	87.2	90.8	92.2	93.7	94.9	95.2	95.2
≥100		37.6	44.9	54.8	63.0	68.0	74.6	80.3	82.4	87.2	90.8	92.3	93.7	95.1	95.7	95.7
≥0		37.6	44.9	54.8	63.0	68.0	74.6	80.3	82.4	87.3	90.8	92.3	93.8	95.2	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2325



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35010 WIESBADEN AB GERMANY

40-72

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING																
≥ 20000	12.1	14.4	15.0	16.2	19.2	20.7	21.9	22.0	22.7	23.0	23.1	23.1	23.1	23.1	23.1	23.1
≥ 18000	12.7	15.2	16.8	19.1	20.3	21.9	23.1	23.2	23.9	24.2	24.3	24.3	24.3	24.3	24.3	24.3
IV 16000	12.7	15.2	16.8	19.1	20.3	21.9	23.1	23.2	23.9	24.2	24.3	24.3	24.3	24.3	24.3	24.3
IV 14000	12.8	15.3	16.9	19.3	20.6	22.2	23.5	23.5	24.2	24.5	24.6	24.6	24.6	24.6	24.6	24.6
IV 12000	12.8	15.3	17.0	19.4	20.7	22.5	23.7	23.8	24.6	24.8	24.8	24.8	24.8	24.8	24.8	24.8
IV 10000	13.6	16.4	18.2	20.7	22.4	24.2	25.9	25.8	26.5	26.8	26.8	26.8	26.8	26.8	26.8	26.8
IV 9000	14.1	17.0	18.9	21.4	23.1	25.0	26.6	26.6	27.4	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 8000	14.9	17.9	19.9	22.5	24.4	26.3	27.7	27.9	28.7	29.2	29.3	29.3	29.3	29.3	29.3	29.3
IV 7000	15.8	18.8	21.0	23.8	25.8	27.8	29.2	29.5	30.3	30.9	31.0	31.0	31.0	31.0	31.0	31.0
IV 6000	15.4	19.7	22.1	24.9	26.9	29.0	30.4	30.7	31.5	32.2	32.3	32.3	32.3	32.3	32.3	32.3
IV 5000	18.4	21.9	24.4	27.3	29.4	31.5	33.1	33.5	34.6	35.1	35.2	35.2	35.2	35.2	35.2	35.2
IV 4500	19.8	23.3	26.1	29.3	31.5	33.7	35.3	35.7	36.6	37.3	37.3	37.3	37.3	37.3	37.3	37.3
IV 4000	21.4	25.0	28.4	31.8	34.0	36.2	37.8	38.3	39.2	40.0	40.1	40.1	40.1	40.1	40.1	40.1
IV 3500	22.9	26.9	30.7	34.2	36.4	38.7	40.4	40.8	42.0	42.7	42.8	42.8	42.8	42.8	42.8	42.8
IV 3000	25.7	30.0	34.3	38.1	40.6	43.1	45.2	45.6	46.7	47.5	47.6	47.7	47.7	47.7	47.7	47.7
IV 2500	29.8	34.9	40.0	44.2	46.9	49.9	52.2	52.7	54.0	54.8	54.9	55.0	55.0	55.0	55.0	55.1
IV 2000	33.9	40.1	46.6	51.0	53.2	56.8	61.6	62.2	63.7	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 1800	34.9	41.4	48.4	53.8	57.4	61.3	66.2	66.8	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 1600	36.7	44.3	52.2	58.7	62.5	67.2	70.5	71.2	73.1	74.1	74.5	74.6	74.6	74.6	74.6	74.6
IV 1400	37.1	45.0	53.6	61.1	63.4	70.4	74.0	74.7	77.0	78.2	78.6	78.7	78.7	78.7	78.7	78.7
IV 1200	37.4	45.5	54.6	63.1	68.2	73.9	77.6	78.4	81.5	82.8	83.2	83.2	83.2	83.2	83.2	83.2
IV 1000	37.5	45.7	54.9	63.4	68.7	74.4	78.5	79.6	82.6	84.0	84.4	84.4	84.4	84.4	84.4	84.4
IV 900	37.5	45.7	54.9	63.6	68.9	75.0	79.5	80.7	84.0	85.7	86.1	86.1	86.1	86.1	86.1	86.1
IV 800	37.5	45.7	55.2	64.0	69.5	75.7	80.2	81.6	84.9	86.8	87.3	87.3	87.3	87.3	87.3	87.3
IV 700	37.5	45.7	55.2	64.1	69.7	76.1	80.9	82.4	85.7	87.9	88.6	88.6	88.6	88.6	88.6	88.6
IV 600	37.5	45.7	55.3	64.3	69.9	76.6	81.8	83.2	86.8	89.1	89.9	89.9	89.9	89.9	89.9	89.9
IV 500	37.5	45.7	55.4	64.4	70.1	76.8	82.1	83.6	87.3	89.9	90.8	91.7	92.8	92.8	92.8	92.8
IV 400	37.5	45.7	55.4	64.4	70.1	76.8	82.2	83.7	87.6	90.8	91.9	92.8	93.8	94.8	94.8	94.8
IV 300	37.5	45.7	55.4	64.4	70.1	76.8	82.2	83.7	87.6	90.8	91.9	92.8	93.8	94.8	94.8	94.8
IV 200	37.5	45.7	55.4	64.4	70.1	76.8	82.2	83.7	87.6	90.8	91.9	92.8	93.8	94.8	94.8	94.8
IV 100	37.5	45.7	55.4	64.4	70.1	76.8	82.2	83.7	87.6	90.8	91.9	92.8	93.8	94.8	94.8	94.8
IV 0	37.5	45.7	55.4	64.4	70.1	76.8	82.2	83.7	87.6	90.8	91.9	92.8	93.8	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS 2324

## PART D

## SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	3
7	9
8 (or obscured)	10

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

# SKY COVER

35010

WIESBADEN AB GE 4NY

46-70

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	12.2	1.9	2.4	2.9	2.5	1.9	2.5	2.5	5.4	5.2	62.8	7.8	17845
FEB		11.9	2.5	2.6	3.6	3.3	2.6	3.1	3.2	6.2	6.1	54.9	7.4	16253
MAR		15.8	3.6	4.2	4.0	4.0	3.1	3.7	3.8	7.8	7.0	41.9	6.5	15584
APR		14.3	4.3	4.3	4.8	4.7	3.8	4.4	5.1	9.2	8.9	36.2	6.5	17974
MAY		10.4	4.7	5.1	5.2	5.5	4.3	5.1	6.2	11.1	9.8	32.1	6.5	18589
JUN		9.8	5.4	5.0	5.6	5.6	4.5	5.3	6.5	11.6	11.3	29.3	6.4	17981
JUL		11.8	5.7	5.2	5.7	5.4	4.9	5.0	6.6	11.4	10.7	27.7	6.2	18555
AUG		11.7	4.9	4.6	5.4	5.3	4.8	5.6	6.8	11.0	10.9	29.1	6.3	18492
SEP		10.2	5.3	4.8	4.9	4.9	4.2	3.9	5.2	8.9	9.0	30.7	5.9	17717
OCT		15.8	3.4	3.4	4.1	4.2	3.1	3.4	3.7	6.9	7.2	43.9	6.6	18568
NOV		7.2	2.0	2.3	2.8	2.6	2.0	2.7	2.9	5.9	6.1	63.6	8.1	17963
DEC		8.3	1.8	2.0	2.4	2.0	1.7	2.1	2.4	4.8	5.0	67.7	8.2	18573
TOTALS		12.3	3.8	3.8	4.3	4.2	3.4	3.9	4.6	8.4	8.1	43.3	6.9	217064

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ETAC

# SKY COVER

35010 WIESBADEN AB GERMANY

47-70

JAN

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	15.3	2.0	2.9	3.2	2.7	1.5	2.6	1.9	3.9	3.2	60.7	7.3	2228
	03-05	15.3	1.3	2.2	2.2	2.5	1.3	2.1	2.3	4.4	2.7	63.8	7.5	2232
	06-08	10.6	1.8	2.3	2.0	1.9	1.5	2.3	2.4	5.4	4.2	64.9	7.9	2231
	09-11	5.2	1.4	1.7	3.0	3.1	2.3	2.4	2.2	6.0	8.0	64.7	8.3	2230
	12-14	5.5	1.4	2.1	3.1	2.8	2.0	3.0	3.5	6.3	7.4	62.7	8.2	2232
	15-17	5.6	2.3	2.4	2.7	2.1	2.3	2.6	3.0	7.6	7.4	62.0	8.2	2231
	18-20	10.2	2.2	3.1	3.7	2.3	2.3	2.4	2.1	4.9	5.0	61.9	7.7	2231
	21-23	13.5	2.6	2.8	2.4	2.7	1.9	2.5	2.6	4.4	3.3	61.3	7.5	2230
TOTALS		10.2	1.9	2.4	2.9	2.5	1.9	2.5	2.5	5.4	5.2	62.8	7.8	17845

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

47-70

FEB

STATION

STATION NAME

24-00

MONTN

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	17.6	1.6	2.4	3.6	3.8	2.7	3.1	2.6	4.4	3.9	53.7	6.9	2032
	03-05	17.5	1.6	1.8	3.4	3.0	1.9	2.8	2.8	5.1	3.3	56.6	7.1	2034
	06-08	11.2	2.3	2.8	3.9	3.2	2.1	3.1	2.8	5.1	5.9	57.7	7.5	2034
	09-11	7.1	2.2	3.6	2.8	2.6	2.2	2.7	3.6	7.1	8.3	57.7	7.9	2032
	12-14	8.0	2.4	2.5	2.5	2.5	2.7	3.2	3.9	7.8	8.5	56.0	7.8	2032
	15-17	7.4	2.9	2.7	3.2	3.2	3.2	3.7	3.3	8.4	8.8	53.2	7.7	2032
	18-20	10.6	2.9	3.8	4.4	4.3	2.8	3.0	3.3	6.5	5.9	52.4	7.2	2034
	21-23	15.3	2.2	2.7	4.4	3.8	2.9	3.3	3.3	5.3	4.4	51.8	6.9	2033
TOTALS		11.9	2.3	2.8	3.6	3.3	2.6	3.1	3.2	4.2	6.1	54.9	7.4	16263

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/44C

# SKY COVER

35010

WIESBADEN AB GERMANY

46-70

MAR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	27.9	3.4	4.8	3.1	3.3	2.2	3.2	2.2	4.9	4.0	40.9	5.7	2319
	03-05	27.3	2.2	4.3	3.7	3.6	2.4	2.4	1.7	4.4	3.6	44.3	5.9	2325
	06-08	13.6	4.6	5.1	4.1	3.5	2.9	2.9	3.9	6.5	7.5	46.0	6.8	2323
	09-11	11.4	3.7	3.6	4.3	3.7	3.0	3.6	3.8	9.2	9.4	44.5	7.0	2325
	12-14	9.7	3.5	2.5	3.5	3.8	3.6	5.4	6.1	11.4	8.9	41.7	7.1	2324
	15-17	10.2	3.3	3.2	3.6	4.7	3.6	4.6	5.4	10.9	9.9	40.4	7.0	2325
	18-20	12.0	4.6	4.9	5.2	4.9	4.4	3.7	4.2	9.7	7.7	38.8	6.6	2324
	21-23	22.6	4.7	4.9	4.8	4.4	2.6	3.6	3.4	5.7	4.7	38.6	5.8	2319
TOTALS		16.8	3.8	4.2	4.6	4.0	3.1	3.7	3.8	7.8	7.0	41.9	6.5	18584

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

35010 WIESBADEN AB GERMANY

46-70

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	28.7	3.3	5.5	4.5	4.1	2.9	3.1	3.5	5.5	5.3	33.5	5.2	2249
	03-05	22.2	4.3	4.5	5.5	4.7	3.5	3.5	3.3	5.7	5.5	37.2	5.8	2249
	06-08	11.6	5.0	4.9	3.3	4.4	2.9	4.0	5.3	6.9	9.1	40.4	6.8	2244
	09-11	13.7	4.3	3.5	4.1	4.1	3.6	3.7	5.7	10.7	9.7	39.8	6.9	2244
	12-14	5.6	3.9	3.0	4.7	4.4	3.7	5.7	6.5	12.2	12.0	37.3	7.2	2245
	15-17	5.2	3.4	2.8	4.4	5.2	4.9	5.3	7.4	12.7	12.6	35.1	7.2	2248
	18-20	7.4	5.5	4.5	5.2	5.7	5.1	5.8	5.4	10.8	11.2	33.3	6.7	2250
	21-23	20.6	4.4	5.5	6.8	4.9	3.5	4.3	3.9	7.1	6.1	32.9	5.7	2245
TOTALS		14.3	4.3	4.3	4.8	4.7	3.8	4.4	5.1	9.2	8.9	36.2	6.5	17974

## SKY COVER

ΔΥ

STATION

STATION SAME

PERIOD

MON®

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	26.8	3.7	6.2	6.5	6.0	2.9	4.6	3.9	6.4	4.8	28.1	5.0	2321
	03-05	15.2	6.4	7.0	6.3	6.1	4.1	4.3	3.7	7.4	6.2	32.3	5.7	2324
	06-08	9.4	6.6	4.9	4.7	5.7	4.3	4.0	5.2	10.0	9.9	33.3	6.6	2323
	09-11	5.8	4.5	4.3	5.2	6.9	4.4	4.9	6.5	12.0	12.5	34.0	6.9	2325
	12-14	4.1	3.0	2.7	4.7	4.7	4.3	6.2	8.3	16.3	13.2	32.5	7.3	2325
	15-17	3.1	3.1	2.3	4.9	5.5	5.2	5.5	8.8	15.6	14.2	31.5	7.3	2323
	18-20	4.1	4.7	4.8	5.8	5.7	5.0	5.7	7.3	13.5	11.1	32.3	7.0	2325
	21-23	12.4	5.3	8.3	8.0	7.5	4.4	5.2	5.6	7.8	6.8	30.7	5.9	2323
TOTALS		10.4	4.7	5.1	5.8	5.5	4.3	5.1	6.2	11.1	9.4	32.1	6.5	18539



## SKY COVER

JCA

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	24.1	5.5	3.7	5.1	6.0	3.9	5.0	4.4	5.9	4.7	27.7	5.1	2244
	03-05	11.4	6.4	7.1	7.5	7.3	4.3	3.6	5.9	9.7	8.6	28.0	5.3	2249
	06-08	11.4	6.5	4.6	5.6	5.3	4.0	4.3	5.5	10.1	11.7	30.9	6.3	2249
	09-11	7.4	5.2	4.3	4.7	5.4	4.8	5.7	6.8	12.1	11.8	31.8	6.6	2249
	12-14	2.8	3.5	3.9	4.4	5.2	4.2	5.8	8.1	16.1	15.2	30.1	7.3	2249
	15-17	3.4	3.6	3.0	4.6	6.0	4.8	5.6	6.5	15.5	15.7	29.3	7.2	2248
	18-20	6.4	5.3	4.4	5.6	5.9	4.6	6.2	7.3	12.7	14.0	27.7	6.7	2249
	21-23	11.1	7.3	6.7	6.4	5.6	5.1	5.8	5.5	9.4	8.3	28.5	6.0	2244
TOTALS		9.8	3.4	5.0	5.6	5.8	4.5	5.3	6.5	11.6	11.3	29.3	6.4	17981

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

35010 WIESBADEN AB GERMANY

46-70

JUL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	27.2	5.4	6.2	6.5	5.3	4.1	3.8	3.9	6.6	4.9	25.2	4.6	2314
	03-05	15.5	6.9	6.4	6.4	5.9	4.6	4.9	5.4	9.7	6.9	26.4	5.6	2313
	06-08	12.4	6.5	5.4	5.3	4.5	3.4	4.1	5.8	5.9	10.8	21.8	6.3	2320
	09-11	9.6	5.9	3.7	4.2	4.5	4.5	4.6	7.1	12.5	12.8	30.3	6.6	2323
	12-14	4.2	3.7	4.0	5.0	4.3	6.2	5.6	9.0	14.1	14.6	29.1	7.1	2323
	15-17	4.0	3.2	3.9	6.0	5.7	6.1	5.4	9.0	15.7	14.2	26.8	7.0	2324
	18-20	7.4	6.2	4.6	5.4	6.0	5.1	5.8	7.2	13.1	13.4	25.9	6.5	2319
	21-23	13.1	7.5	7.5	6.8	6.2	4.8	5.6	5.0	9.7	7.9	25.9	5.7	2319
TOTALS		11.8	5.7	5.2	5.7	5.4	4.9	5.0	6.6	11.4	10.7	27.7	6.2	18555

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

113

STATION

STAT: CA NAME

1113

von

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	25.2	5.2	5.4	5.3	4.6	3.3	4.6	3.6	6.8	6.2	28.8	5.2	2290
	03-05	19.5	5.5	5.3	7.1	5.2	3.7	4.8	5.1	6.5	5.8	29.6	5.4	2293
	06-08	9.3	5.9	4.2	5.2	4.7	4.5	4.7	6.2	11.1	11.1	32.8	6.6	2322
	09-11	7.9	4.0	4.7	4.8	5.5	5.6	5.5	6.7	11.3	12.7	31.5	6.8	2322
	12-14	4.3	3.7	2.8	4.0	5.2	5.4	6.8	10.4	14.6	14.5	28.3	7.1	2325
	15-17	4.3	3.4	2.4	4.7	5.7	6.2	7.2	8.8	15.6	15.2	26.4	7.1	2324
	18-20	5.3	4.6	4.8	5.5	5.3	4.9	5.6	8.0	13.4	14.9	26.7	6.7	2309
	21-23	15.6	5.7	6.1	5.1	6.2	4.4	5.9	5.4	8.8	7.0	28.7	5.8	2277
TOTALS		11.7	4.9	4.6	5.4	5.1	4.8	5.6	6.8	11.0	10.9	29.1	6.3	18452

## SKY COVER

512

 $\Delta \chi^2_{\text{min}}$ 

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	35.2	3.7	4.0	4.9	3.8	2.3	3.8	3.3	6.2	5.0	27.9	4.7	2157
	03-05	31.1	4.8	4.5	4.1	3.6	2.9	2.2	3.7	5.9	4.8	32.4	5.1	2188
	06-08	11.7	6.2	4.8	5.5	4.7	4.1	3.3	4.8	9.2	9.4	36.4	6.5	2248
	09-11	11.5	5.5	4.0	4.4	4.8	4.4	3.8	5.6	9.9	11.0	35.1	6.6	2250
	12-14	9.5	4.6	4.2	4.3	4.9	5.5	4.8	6.8	11.8	12.6	31.0	6.7	2250
	15-17	9.2	5.0	4.3	4.3	5.6	5.6	4.5	6.8	12.0	13.4	29.2	6.6	2249
	18-20	11.0	7.1	5.6	5.7	6.4	5.1	4.6	6.2	9.8	10.4	26.9	6.0	2219
	21-23	25.2	5.3	7.1	4.9	5.5	3.7	4.2	4.5	6.6	5.6	26.7	5.0	2156
TOTALS		16.2	5.3	4.8	4.9	4.9	4.2	3.9	5.2	8.9	9.0	30.7	5.9	17717

## SKY COVER

201

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
Oct	00-02	25.7	3.4	4.1	4.0	4.3	2.6	3.3	2.8	5.4	3.4	39.9	5.7	2316
	03-05	25.1	2.5	2.9	3.5	3.6	2.6	3.2	2.6	4.5	4.2	45.0	6.1	2316
	06-08	12.5	3.4	3.7	4.0	3.3	2.2	2.7	2.9	6.8	8.5	49.9	7.1	2325
	09-11	10.5	3.6	2.3	2.5	2.8	2.8	2.6	3.4	6.5	9.4	53.2	7.5	2325
	12-14	10.1	2.3	2.2	4.1	4.9	3.0	3.8	5.7	8.6	10.1	44.2	7.2	2324
	15-17	10.2	3.8	2.5	4.3	5.3	3.9	4.0	4.8	9.5	11.1	40.5	7.0	2322
	18-20	14.9	3.2	4.9	4.7	5.3	3.8	4.6	4.3	8.1	7.2	38.5	6.4	2323
	21-23	24.5	3.4	4.1	5.3	4.3	3.6	3.2	3.0	5.5	3.7	39.6	5.6	2317
TOTALS		16.8	3.4	3.4	4.1	4.2	3.1	3.4	3.7	6.9	7.2	43.9	6.6	18568

## SKY COVER

424

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	12.1	2.1	2.7	3.1	2.9	1.9	3.2	2.7	4.2	3.7	61.4	7.6	2248
	03-05	10.5	1.7	2.9	2.9	2.5	2.1	2.9	2.1	3.8	3.6	65.0	7.8	2244
	06-08	5.5	1.7	2.3	2.4	2.2	1.8	1.8	2.8	5.5	4.4	68.6	8.3	2246
	09-11	3.9	1.8	1.7	2.0	1.4	1.5	2.2	2.4	6.8	6.4	67.9	8.6	2245
	12-14	3.2	1.6	1.3	2.0	2.2	2.3	2.7	3.0	7.5	10.2	64.0	8.6	2246
	15-17	2.9	2.1	1.9	2.4	2.7	2.4	2.6	3.6	8.7	9.5	61.4	8.4	2242
	18-20	7.0	2.7	4.5	4.1	3.9	2.1	3.1	3.7	5.4	5.1	60.1	7.9	2246
	21-23	11.4	2.5	2.6	3.2	3.0	1.9	2.6	3.0	4.9	4.1	60.7	7.6	2246
TOTALS		7.2	2.0	2.3	2.8	2.6	2.0	2.7	2.9	5.9	6.1	63.6	8.1	17963

## SKY COVER

35C10

\*MESSAGE\* AS GERMANY

45-7C

280

## STATION

STATION NAME

**DE RIGOR**



PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	12.4	2.0	2.0	2.8	2.5	1.7	2.2	2.2	3.8	2.9	55.5	7.7	2320
	03-05	10.5	2.0	2.5	2.4	2.6	1.5	1.9	2.0	4.0	3.4	67.1	7.9	2322
	06-08	9.3	1.6	2.3	1.9	1.5	1.4	1.9	2.2	4.3	3.7	70.3	8.3	2324
	09-11	4.9	1.5	1.5	1.6	1.7	1.8	1.7	2.6	6.3	7.3	58.9	8.6	2322
	12-14	4.7	1.4	1.6	2.2	1.5	1.7	2.0	3.2	6.6	6.2	56.8	8.5	2324
	15-17	4.9	1.2	1.6	2.2	2.2	1.6	2.1	2.6	5.3	5.2	67.3	8.5	2319
	18-20	8.4	2.2	2.4	3.3	2.0	2.0	2.5	2.3	3.9	3.4	67.6	8.0	2323
	21-23	12.0	1.9	2.4	2.8	2.1	1.3	2.5	1.6	3.7	2.5	67.3	7.6	2319
TOTALS		9.3	1.8	2.0	2.4	2.0	1.7	2.1	2.4	4.9	5.0	57.7	6.2	18573

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (M.C)  
ASHEVILLE, NORTH CAROLINA

## PART E

## PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.



b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949; nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DATA PROCESSING UNIT  
 USAF ETAC  
 AIR WEATHER SERVICE  
 35010 IES-12 STATION NAME

# DAILY TEMPERATURES

46-70

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP, °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
95						.3	1.0	.1					.1
90						2.3	4.7	2.5	.8				.9
85				.4	.4	7.5	14.1	8.8	2.2				2.9
80				1.3	3.2	17.1	27.7	20.5	7.1				6.7
75			.1	5.1	17.2	37.1	49.0	41.2	18.6	.9			14.3
70			1.5	14.5	35.1	58.5	70.2	67.1	39.0	4.4			24.4
65			2.1	25.8	54.5	82.5	90.6	90.8	65.7	14.8	.1		36.1
60		.7	13.1	43.5	77.7	84.4	99.2	98.8	86.2	37.8	1.1	.1	46.5
55	.4	2.9	27.5	65.1	94.6	99.6	100.0	100.0	98.2	63.5	10.1	1.2	55.6
50	4.8	12.2	47.5	84.7	92.2	99.9			100.0	85.4	27.6	8.1	64.6
45	18.4	31.1	69.5	96.7	99.7	100.0				95.5	57.2	22.6	74.6
40	39.2	63.4	88.9	99.9	100.0					99.6	81.2	44.6	83.9
35	66.5	75.7	95.5	100.0						100.0	95.6	71.4	92.3
30	84.9	90.9	99.7								99.7	88.8	97.1
25	94.6	95.2	100.0								100.0	95.9	98.9
20	98.3	99.1										99.1	99.7
15	99.7	99.8										100.0	100.0
10	100.0	100.0											100.0
MEAN	37.3	40.7	49.3	53.5	61.1	72.0	74.8	73.4	68.0	59.1	45.6	38.5	56.8
S D	7.644	8.331	8.781	9.047	8.106	8.107	8.216	7.368	7.522	7.226	6.595	7.644	15.732
TOTAL OBS	744	675	774	750	775	749	773	760	718	772	746	775	8016

DATA PROCESSING 1-1-1  
 USAF ETAC  
 AIR WEATHER SERVICE/ AC  
 35010 WIESEBACH STATION NAME 1

# DAILY TEMPERATURES

46-70

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75						.3							.0
70						.4	1.5	.8					.2
65					.3	2.7	7.5	4.9	.1				1.3
60					3.9	15.3	26.1	24.7	5.7	.3			5.6
55				1.5	15.3	44.1	64.6	63.6	27.8	4.7	.1		18.7
50		.1	1.2	13.9	44.0	82.1	91.7	90.0	63.7	18.0	2.0	.1	34.0
45	1.3	2.5	5.3	26.1	72.1	95.5	99.4	99.3	88.1	43.8	9.1	2.6	47.0
40	5.6	9.4	25.7	63.7	92.4	99.9	100.0	100.0	97.9	72.7	34.9	11.6	59.8
35	25.9	31.7	54.3	68.1	92.7	100.0			100.0	90.9	61.8	33.8	74.1
30	39.0	44.1	65.4	84.3	99.7					95.1	72.7	46.6	82.2
25	57.3	59.5	81.2	98.5	100.0					99.0	89.9	64.0	87.6
20	75.5	76.1	94.4	100.0						99.9	98.0	80.8	93.9
15	86.1	87.0	98.3							100.0	99.6	89.5	96.8
10	94.3	92.5	99.5								100.0	95.1	98.5
5	98.3	95.5	99.7									99.5	99.4
0	99.5	99.1	100.0									100.0	99.9
-5	99.9	99.7											100.0
-10	100.0	100.0											100.0
MEAN	29.1	29.7	35.0	42.0	48.5	54.0	56.4	56.0	51.2	43.4	36.6	30.8	42.7
S D	8.084	9.070	6.914	5.184	5.112	5.523	5.369	5.085	5.530	6.555	6.092	7.968	11.939
TOTAL OBS	744	678	774	750	775	749	773	760	720	772	746	775	9016

DATA PROCESSING 1 1 1  
 USAF ETAC  
 AIR WEATHER SERVICE/ 40  
 35010 BIESPADE 48 0 1  
 STATION STATION NAME

# DAILY TEMPERATURES

46-70

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
85						0.3	1.1						0.0
80						0.5	2.5						0.3
75					0.4	4.8	10.2	5.5	1.1				1.9
70				3.7	15.9	26.3	21.1	5.1					6.1
65				2.0	15.9	39.9	54.2	49.2	21.2	0.9			15.5
60			1.4	12.3	26.6	7.5	64.9	62.2	49.6	7.8	1.1		29.0
55		1.1	3.0	28.3	65.4	92.9	99.0	98.7	81.9	26.6	1.3		41.8
50	0.5	2.2	17.4	54.6	90.3	99.1	100.0	100.0	97.5	57.1	8.4	1.5	52.8
45	5.1	10.2	39.0	78.5	90.5	100.0			99.9	84.1	31.4	9.4	63.4
40	20.8	32.1	67.1	93.1	99.7				100.0	95.7	61.5	27.1	75.2
35	48.0	56.5	88.4	100.0						99.7	84.9	54.5	86.3
30	72.7	78.7	98.0							100.0	98.1	78.1	93.6
25	86.4	88.3	99.8								99.7	89.8	97.1
20	95.3	94.3	100.0								100.0	96.3	98.9
15	98.3	97.9										99.4	99.6
10	99.9	99.7										100.0	100.0
5	100.0	99.9											100.0
0		100.0											100.0
MEAN	33.4	35.3	42.4	53.7	57.5	63.2	65.8	64.9	59.8	50.5	41.3	34.8	49.9
S D	7.609	8.577	7.121	7.005	6.473	6.222	6.243	5.595	5.815	6.179	5.990	7.567	13.537
TOTAL OBS	744	674	774	750	775	749	773	760	720	772	746	775	9016

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MAXIMUM TEMPERATURE  
FROM DAILY OBSERVATIONS

35010 WIESBADEN AB GERMANY  
STATION NAME

66-70  
YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46			70	80	79	88	90	87	78	66	50	49	
47	62	59	68	84	86	96	97	93	91	79	59	51	97
48	57	53	67	78	83	91	91	92	82	76	56	50	92
49	52	53		86	78	82	92	92	89	72	55	53	
50	51	54	63	72	80	92	91	91	77	67	59	49	92
51	49	51	62	80	82	80	89	89	85	64	58	50	89
52	50	50	61	78	80	93	99	94	72	60	59	50	99
53	47	57	71	76	89	84	86	89	93	70	57	58	93
54	54	46	65	63	85	92	80	91	85	72	56	53	92
55	47	51	69	84	81	83	89	85	79	64	62	55	89
56	53	40	58	70	85	78	85	80	75	74	52	53	85
57	52	61	67	75	77	91	99	82	80	67	58	53	99
58	49	63	65	65	70	84	85	86	82	68	57	51	86
59	56	54	67	79	81	86	98	87	84	73	58	53	98
60	50	59	66	73	79	86	82	84	76	70	58	52	86
61	51	60	69	77	74	88	87	84	84	70	55	60	88
62	54	48	56	78	76	83		89	86	77	61	52	
63	39	37	53	67	79	77	89	93	76	53	60	42	93
64	40	49	58	78	81	91	96	95	84	68	55	48	96
65	52	41	67	68	81	85	86	81	75	68	56	55	86
66	51	58	56	73	81	86	80	93	62	77	54	51	93
67	52	55	58	67	79		85	85	75	68	53	53	
68	54	50	77	85	79	83	90	82	77	73		48	
69	52	47	60	76	85	79	90	85	77	67	58	58	90
70	46	54	58	75	77	87	83				61	52	
MEAN	50.3	51.3	65.2	75.6	80.9	86.0	89.3	87.9	81.0	69.7	56.9	51.2	91.7
S. D.	4.298	7.642	5.782	6.131	3.414	5.032	5.374	4.485	5.501	4.823	2.740	4.685	4.544
TOTAL OBS.	744	678	744	750	775	720	744	744	720	744	720	775	8858

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MINIMUM TEMPERATURE  
FROM DAILY OBSERVATIONS

35010 WIESBADEN AB GERMANY  
STATION STATION NAME

48-70  
YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46			27	32	39	43	45	44	40	30	27	7	
47	6	12	16	23	42	43	51	50	46	30	26	18	6
48	29	12	28	36	39	46	45	47	35	33	22	14	12
49	22	20		32	33	42	46	47	47	32	22	22	
50	16	24	23	33	37	48	52	47	41	24	30	14	14
51	22	29	22	31	37	47	46	46	39	33	31	25	22
52	22	15	26	30	42	46	49	48	39	31	25	18	15
53	19	8	29	35	33	40	51	48	42	34	30	25	2
54	7	7	27	33	38	43	47	45	38	33	27	28	7
55	19	9	18	31	34	41	51	49	40	27	24	24	9
56	3	-3	22	29	37	44	50	45	44	32	20	19	-3
57	14	29	29	32	34	44	52	45	40	34	26	22	14
58	19	20	20	28	38	46	52	50	48	36	31	25	19
59	16	21	29	32	38	47	55	50	43	34	29	27	16
60	9	21	28	35	34	47	45	48	40	36	30	24	9
61	17	31	31	42	40	49	45	47	43	34	23	12	12
62	16	15	18	33	34	38		45	42	30	19	10	
63	4	3	9	30	35	49	50	42	36	29	32	11	3
64	11	21	22	36	37	40	41	44	38	28	30	11	11
65	23	17	13	30	34	46	46	41	29	23	13	27	23
66	5	30	26	32	37	44	45	43	41	29	23	23	5
67	12	22	26	25	30		46	46	41	30	24	14	
68	-2	21	26	29	34	47	47	48	47	33		10	
69	24	4	24	31	39	44	42	45	38	33	26	6	4
70	12	8	17	29	35	46	42				32	12	
MEAN	14.5	16.5	23.2	32.0	36.4	44.6	47.4	46.4	40.9	31.4	25.9	27.9	10.3
S. D.	7.918	9.212	5.647	3.297	3.029	2.953	3.669	2.354	3.231	3.296	4.781	6.922	3.982
TOTAL OBS.	734	678	744	750	775	720	744	744	720	744	720	775	8838

# 1

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

46-70

**YEARS**





**References**

• **IF A&B**

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ALL

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**Figure 1**

[illegible]

## PSYCHROMETRIC SUMMARY

47-70

JAN

PAGE 1

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## PSYCHROMETRIC SUMMARY

35010      WIESBADEN AB GERMANY  
STATION      STATION NAME

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JAN

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## PSYCHROMETRIC SUMMARY

47-70

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

35010 HIESBADEN AB GERMANY  
STATION STATION NAME

47-70  
YEARS

FEB  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																		TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D-B	W-B	D-y Bulb	Wet Bulb	Dew Point																				
4/-5																																						2	24			
5/-4																																							7	7		
6/-3																																							7	7		
7/-2																																							4	4		
8/-1																																							4	4		
9/0																																							1	1		
10/1																																							1	1		
11/2																																							1	1		
12/3																																							1	1		
13/4																																							1	1		
14/5																																							1	1		
15/6																																							1	1		
16/7																																							1	1		
17/8																																							1	1		
18/9																																							1	1		
19/10																																							1	1		
20/11																																							1	1		
21/12																																							1	1		
22/13																																							1	1		
23/14																																							1	1		
24/15																																							1	1		
25/16																																							1	1		
26/17																																							1	1		
27/18																																							1	1		
28/19																																							1	1		
29/20																																							1	1		
30/21																																							1	1		
31/22																																							1	1		
TOTAL	12.2	30.0	29.0	7.2	1.3	.5	.0																															16258	16258			
Element (X)	Σx²			Σx			Σ			Σ²			No. Obs.			Mean No. of Hours with Temperature																										
Rel. Hum.	103032908			1277848			78.6			12.608			16256			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb	20834008			563454			34.6			9.002			16258			.8 243.4																						672	672			
Wet Bulb	18233478			526980			32.4			8.418			16258			.9 314.1																						672	672			
Dew Point	14642870			461502			28.4			9.741			16258			5.1 420.1																						672	672			

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

33010      WIESBADEN AB GERMANY  
STATION      STATION NAME

40-70

MAF

PAGE 1

ALL

HOURS 11-5-7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
78/ 77																		1	1																
76/ 75																		2	2																
74/ 73																		3	3																
72/ 71																		7	7																
70/ 69																		31	31																
68/ 67																		54	54																
66/ 65																		78	78																
64/ 63																		94	94																
62/ 61																		153	153																
60/ 59																		225	225																
58/ 57																		303	303																
56/ 55																		461	461																
54/ 53																		559	559																
52/ 51																		821	821																
50/ 49																		1118	1125																
48/ 47																		1399	1400																
46/ 45																		1563	1563																
44/ 43																		1485	1486																
42/ 41																		1693	1696																
40/ 39																		1770	1770																
38/ 37																		1555	1555																
36/ 35																		1364	1364																
34/ 33																		1258	1259																
32/ 31																		1007	1007																
30/ 29																		657	658																
28/ 27																		407	407																
26/ 25																		248	248																
24/ 23																		117	117																
22/ 21																		55	55																
20/ 19																		24	25																
18/ 17																		19	22																
16/ 15																		10	11																
14/ 13																		8	8																
12/ 11																		7	7																
Element (X)	$\Sigma x^2$			$\Sigma x$			$\bar{x}$			$s^2$			No.																						





## PSYCHROMETRIC SUMMARY

YEARS

ALL  
-OLDS - S. \*

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## PSYCHROMETRIC SUMMARY

33010      WIESBADEN AB GERMANY  
STATION      STATION NAME

46-72

APP

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ALL

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## PSYCHROMETRIC SUMMARY

45-72

**DAY**

2455 1

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**USAFETAC**

## PSYCHROMETRIC SUMMARY

35010                      WIESBADEN AB   GERMANY  
STATION                      STATION NAME

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**ALL**



## PSYCHROMETRIC SUMMARY

2025

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[illegible]



## PSYCHROMETRIC SUMMARY

<u>35010</u>	<u>IESHADE, AA GERMANY</u>
STATION	STATION NAME

46-75

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STATION

STATION NAME

✓ F A E S

431

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1995

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## PSYCHROMETRIC SUMMARY

45-7C

513

PAGE 1

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. WB	Dry Bulb	Wet Bulb	Dew Point														
94/ 93																		1	1																
92/ 91																		4	4																
90/ 89																		21	21																
88/ 87																		24	24																
86/ 85																		26	26																
84/ 83																		52	52																
82/ 81																		79	79																
80/ 79																		109	109																
78/ 77																		171	171																
76/ 75																		258	258																
74/ 73																		397	397	1															
72/ 71																		468	468	27	1														
70/ 69																		618	618	94	6														
68/ 67																		852	854	200	14														
66/ 65																		1134	1135	372	74														
64/ 63																		1508	1511	720	192														
62/ 61																		1715	1720	1181	477														
60/ 59																		1872	1877	1800	1034														
58/ 57																		1847	1847	2077	1419														
56/ 55																		1828	1828	2321	1765														
54/ 53																		1482	1482	2236	1965														
52/ 51																		1234	1234	2167	2161														
50/ 49																		937	937	1753	2216														
48/ 47																		530	530	1207	1932														
46/ 45																		363	363	792	1514														
44/ 43																		206	206	439	1126														
42/ 41																		103	103	216	817														
40/ 39																		55	55	112	472														
38/ 37																		13	13	46	305														
36/ 35																		5	5	10	131														
34/ 33																				1	55														
32/ 31																					24														
30/ 29																					8														
28/ 27																					3														
Element (X)	$\$																																		

## PSYCHROMETRIC SUMMARY

46-75

SEP  
MONTH

PAGE 2

ALL  
RESULTS

[illegible]

## PSYCHROMETRIC SUMMARY

GCT

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D a. W.B.	Dry Bulb	Wet Bulb	Dew Point														
80/79																		2	2																
78/77																		5	5																
76/75																		8	8																
74/73																		26	26																
72/71																		42	42																
70/69																		89	89																
68/67																		126	126																
66/65																		205	205	2															
64/63																		394	394	35															
62/61																		583	583	102	10														
60/59																		949	949	276	44														
58/57																		1238	1238	711	224														
56/55																		1480	1481	1293	613														
54/53																		1702	1706	1386	1061														
52/51																		1862	1867	1711	1390														
50/49																		2010	2011	2118	1738														
48/47																		1806	1806	2242	1876														
46/45																		1735	1735	2049	1902														
44/43																		1244	1245	2029	1867														
42/41																		1050	1050	1475	1906														
40/39																		816	816	1123	1671														
38/37																		496	497	821	1179														
36/35																		318	318	521	1152														
34/33																		193	193	320	761														
32/31																		108	108	205	501														
30/29																		51	51	90	261														
28/27																		14	14	43	122														
26/25																		5	5	6	108														
24/23																		4	4	6	79														
22/21																					63														
20/19																					14														
18/17																					13														
16/15																					3														
14/13																					1														
Element (X)	$\Sigma x^2$																																		

## PSYCHROMETRIC SUMMARY

46-70

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PAGE 2

ALL

ALL  
HOURS L. S. T.

**USAFETAC** FORM 0-26.5 (OLA)  
MAY 1964  
REPLACES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

35010 WIESSADEN AB GERMANY  
STATION STATION NAME

46-70  
YEARS

NOV  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17-18	19-20	21	22	23	24	25	26	27	28	29	30	≥ 31	Dry Bulb	Wet Bulb	Dew Point											
68/ 67					.0																			1	1												
66/ 65					.0	.0																		3	3												
64/ 63					.0	.0																		5	5												
62/ 61				.0	.0	.0																		19	19												
60/ 59			.1	.1	.0	.0	.1																	44	44	5											
58/ 57		.1	.3	.1	.2	.0	.0																	113	113	6											
56/ 55	.0	.4	.6	.4	.2	.0	.0																	277	277	56	4										
54/ 53	.0	.6	1.0	.5	.2																			403	403	159	66										
52/ 51	.2	1.0	1.5	.6	.1																			567	570	281	147										
50/ 49	.2	1.0	2.0	.7	.1	.0																		969	972	538	279										
48/ 47	.6	2.7	3.3	.5	.0	.0																		1472	1478	954	481										
46/ 45	1.0	3.7	3.3	.5	.1	.0																		1877	1896	1625	969										
44/ 43	1.3	6.0	2.7	.9	.1																			1882	1901	2053	1478										
42/ 41	1.4	7.0	2.1	.4	.0																			1954	1966	2023	1903										
40/ 39	1.6	6.8	2.3	.3	.0																			1923	1934	2209	2097										
38/ 37	1.5	5.8	1.1	.2																				1620	1622	1794	2043										
36/ 35	2.1	5.1	.9	.1																				1528	1537	1758	1970										
34/ 33	1.6	4.7	1.0	.1																				1328	1335	1483	1695										
32/ 31	1.3	3.2	.8	.0																				938	938	1315	1402										
30/ 29	.6	1.6	.3	.0	.0																			490	490	796	1118										
28/ 27	.3	1.0	.1	.0																				246	246	457	758										
26/ 25	.2	.3																						126	126	193	657										
24/ 23	.1	.8	.0																					44	44	104	358										
22/ 21	.1	.1																						20	20	33	216										
20/ 19	.0	.0																						11	11	14	119										
18/ 17		.0																						1	1	3	74										
16/ 15	.0																							4	4	4	21										
14/ 13																																					
12/ 11																																					
10/ 9																																					
8/ 7																																					
6/ 5																																					
TOTAL	13,855	224.9	4.9	1.0	.2	.0																		17865	17958	17865											
Element (X)	Σx²		Σx		Σ		Σ²		No. Obs.		Mean No. of Hours with Temperature							Total																			
Rel. Hum.	12867112		1505317		86.310		17865		Σ 0 F Σ 32 F Σ 67 F Σ 73 F Σ 80 F Σ 93 F							Total																					
Dry Bulb	31192831		738533		41.1		17858		Σ 0 F Σ 32 F Σ 67 F Σ 73 F Σ 80 F Σ 93 F							720																					
Wet Bulb	28032445		698748		39.1		17865		Σ 0 F Σ 32 F Σ 67 F Σ 73 F Σ 80 F Σ 93 F							720																					
Dew Point	24699172		653158		36.6		17865		Σ 0 F Σ 32 F Σ 67 F Σ 73 F Σ 80 F Σ 93 F							720																					

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

33010 WIESBADEN AB GERMANY  
STATION STATION NAME

46-70  
YEARS

DEC  
MONTH

PAGE 1

ALL  
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
60/ 59			.0		.0															4	4			
58/ 57			.0	.0	.0															13	13	3		
56/ 55			.1	.1	.0	.0														39	39	11	6	
54/ 53			.1	.3	.1															76	76	22	14	
52/ 51	.0	.4	.3	.1																147	147	46	18	
50/ 49	.1	1.0	.7	.2	.0															368	368	167	63	
48/ 47	.1	1.4	1.1	.2	.0															527	527	305	175	
46/ 45	.4	2.3	1.2	.2	.0															779	779	549	318	
44/ 43	.5	3.0	1.9	.1																1027	1027	830	537	
42/ 41	.8	4.1	1.7	.1	.0															1237	1237	1076	865	
40/ 39	1.0	5.3	1.9	.1																1521	1521	1444	1002	
38/ 37	1.4	6.8	2.0	.1	.0															1928	1928	1630	1297	
36/ 35	2.4	7.6	1.8	.1																2239	2239	2133	1856	
34/ 33	2.3	7.0	1.7	.0																2051	2052	2266	2129	
32/ 31	2.3	5.3	1.0	.0																1603	1603	1998	2011	
30/ 29	2.2	4.5	1.0	.0																1417	1417	1601	1773	
28/ 27	1.2	3.4	.6	.0																970	970	1172	1181	
26/ 25	1.1	2.4	.4																	780	780	981	1220	
24/ 23	.4	2.0	.2																	501	501	640	862	
22/ 21	.3	1.5	.2																	408	408	522	740	
20/ 19	.4	1.2	.1																	301	306	349	539	
18/ 17	.3	.6	.0																	218	225	287	534	
16/ 15	.3	.9																		240	244	258	382	
14/ 13	.1	.4																		91	93	152	266	
12/ 11	.1	.2																		46	46	76	277	
10/ 9	.1	.1																		21	26	30	182	
8/ 7		.0																		6	6	6	160	
6/ 5		.0																		1	1	4	100	
4/ 3																							34	
2/ 1																							10	
0/ -1																							8	
TOTAL	18.062	218.2	1.5	.1																	18559	18559	18559	
																							18559	
																							18559	
Element (X)	Σ x²		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		No. Obs.	
Rel. Hum.	134046174		1566338		84.4		9.986		18559		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total	
Dry Bulb	23573976		643418		34.7		7.900		18559				265.2										744	
Wet Bulb	21488722		615640		33.2		7.581		18559				223.0										744	
Dew Point	18549665		564205		30.4		8.678		18559				7.2		412.1								744	

USAFETAC FORM 0-26-5 (OLA) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

35010      WIESBADEN AB GERMANY  
STATION      STATION NAME

47-70

JAN

PAGE 1 0000-G200

00004021



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

35010 KIESBADEN AB GERMANY  
STATION

47-76

YEARS

JAN

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
56/ 55			.1															2	2													
54/ 53			.0															3	3		2											
52/ 51			.4	.1		.1												13	13		1	2										
50/ 49			.0	.1	.0													4	4		12	4										
48/ 47	.1	.6	.4	.0														24	24		6	10										
46/ 45	.2	1.3	.8															51	51		24	13										
44/ 43	.4	1.8	1.5															82	82		58	27										
42/ 41	.1	2.3	1.5	.2														88	88		63	40										
40/ 39	.4	4.2	1.1															126	126		98	75										
38/ 37	1.1	6.4	1.3															196	196		171	90										
36/ 35	2.6	8.9	1.7															294	294		247	207										
34/ 33	2.4	8.7	1.6															282	282		288	247										
32/ 31	2.6	6.0	1.0															216	216		292	264										
30/ 29	2.3	5.9	1.0															205	205		213	218										
28/ 27	2.1	3.7	.4															137	137		181	197										
26/ 25	.9	3.7	.4															112	112		106	155										
24/ 23	1.2	2.9	.3															98	98		113	132										
22/ 21	.6	2.3	.1															66	66		91	95										
20/ 19	.7	2.6	.3															81	81		65	72										
18/ 17	.4	1.6	.0															47	47		66	84										
16/ 15	.3	1.1																30	30		42	67										
14/ 13	.3	1.2																33	33		38	55										
12/ 11	.2	.5																17	17		24	49										
10/ 9	.0	.6																14	14		15	32										
8/ 7	.2	.0																6	6		11	36										
6/ 5	.1																	3	3		3	20										
4/ 3	.0																	1	1		1	24										
2/ 1	.0																	1	1		1	14										
0/ -1																						2										
-2/ -3																						1										
TOTAL	19.466	913.4	.2															2232	2232		2232	2232										
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature										Total											
Rel. Hum.	16133972		188508		84.5		9.774		2232		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					93											
Dry Bulb	2401975		70963		31.8		8.084		2232		44.5										93											
Wet Bulb	2290210		67860		30.4		7.837		2232		52.6										93											
Dew Point	1877795		61465		27.5		9.110		2232		63.2										93											

USAFETAC FORM 44 JUL 64 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

47-72

JA3

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[illegible]

## PSYCHROMETRIC SUMMARY

35010 WIESBADEN AE GERMANY  
STATION STATION NAME

47-70

JAN

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[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

35010 KIESBADEN AB GERMANY  
STATION STATION NAME

47-72  
YEARS

JAN  
MONTH

PAGE 1 1200-1400  
HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
																		D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point								
56/53			.2		.0													4	4										
54/53			.2	.1														8	8										
52/51		.5	.5	.2		.0												28	28	4	1								
50/49		.5	.5	.2														28	28	19	4								
48/47		.7	1.3	.5	.0													57	57	28	17								
46/45	.3	1.8	2.4	.8	.1													115	115	42	25								
44/43	.3	2.1	2.5	.8	.0													129	129	89	41								
42/41	.0	3.9	3.5	.4														175	175	110	58								
40/39	.4	5.3	3.1	.4	.0													206	206	198	101								
38/37	.5	5.3	3.2	.4														213	213	245	136								
36/35	1.1	6.5	3.6	.3	.0													258	258	221	214								
34/33	1.1	6.0	3.0	.5	.0													238	238	246	242								
32/31	1.3	5.2	1.7	.2														188	188	256	275								
30/29	1.1	3.9	2.2	.2														166	166	199	190								
28/27	.6	2.4	1.8	.0														108	108	140	175								
26/25	.8	2.1	1.1															91	91	125	171								
24/23	.4	2.0	.7															68	68	93	99								
22/21	.5	1.8	.2															51	51	74	91								
20/19	.2	1.9	.1															49	49	58	75								
18/17	.0	.8	.1															21	21	40	88								
16/15		.7	.0															16	16	19	54								
14/13		.3																7	7	16	63								
12/11	.0	.2																5	5	4	49								
10/9		.1																3	3	5	90								
8/7																				1	11								
6/5																					18								
4/3																					10								
2/1																					3								
0/-1																					1								
TOTAL	3,553	732.3	5.2	.4	.0													2232	2232	2232	2232								
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature							Total																
Rel. Hum.	14183132	176058	78.9	11.515	2232	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$																		
Dry Bulb	2865991	78093	35.0	7.740	2232		32.2						93																
Wet Bulb	2518751	73153	32.8	7.366	2232		42.9						93																
Dew Point	2033797	64449	28.9	8.801	2232	.0	58.0						93																

USAFETAC FORM 0-26-5 (OL A) JAN 64

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

35010 NIESSBADEN AB GERMANY

47-70

JAN

PAGE 1 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															OTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.S.	W.B.	Dry Bulb	Wet Bulb	Dew Point
55/ 55				.0	.0																													2	2		
54/ 53			.2	.1	.1																												9	9			
52/ 51			.5	.3	.3	.0																											25	25	8	2	
50/ 49			.5	.8	.3	.0																											36	36	17	6	
48/ 47			.9	1.7	.7	.0																												73	73	20	15
46/ 45	.1	1.8	2.0	.5																														104	104	57	25
44/ 43		2.1	2.6	.8																														121	121	96	25
42/ 41	.1	3.7	2.7	1.1																														169	169	115	78
40/ 39	.5	5.3	3.5	.5	.0																													226	226	176	93
38/ 37	.9	6.1	3.2	.4	.1																													236	236	240	162
36/ 35	.9	7.0	3.2	.4	.1																													259	259	270	248
34/ 33	1.4	6.1	3.1	.4																														246	246	241	210
32/ 31	1.9	3.9	2.2	.3																														158	189	268	254
30/ 29	.9	3.6	2.4	.2																														159	159	191	235
28/ 27	.4	1.8	1.9	.1																														94	94	137	166
26/ 25	.6	2.6	1.3																															101	101	100	129
24/ 23	.5	1.5	.6																															59	59	112	109
22/ 21	.4	1.3	.3																															41	41	69	96
20/ 19	.3	1.4	.2																															39	39	43	80
18/ 17	.0	1.0	.1																															25	26	31	70
16/ 15	.0	.4																																10	10	25	65
14/ 13		.1																																2	2	7	60
12/ 11		.2																																4	4	3	37
10/ 9		.0																																1	1	4	22
8/ 7		.0																																1	1	1	19
6/ 5																																					15
4/ 3																																					7
2/ 1																																					4
TOTAL	9.0	52.2	32.0	6.4	.4																													2231	2232	2231	2232

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

35010 WIESBADEN AB GERMANY  
STATION STATION NAME

47-70  
YEARS

JAN  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5	6	7-8	9-10	11-12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
54/ 53			.3																									8	8						
52/ 51			.1																									6	6	7	1				
50/ 49		.1	.4	.4		.1																						23	23	7	6				
48/ 47			.7	.8		.1																						37	37	20	14				
46/ 45			1.8	1.8		.3	.0																					89	89	24	1				
44/ 43		.2	2.6	1.2		.0																						90	90	72	28				
42/ 41		.2	2.8	2.7		.2																						131	131	113	47				
40/ 39		.2	6.6	1.3		.1																						198	198	114	88				
38/ 37	1.1	7.8	2.7			.0																						261	261	252	152				
36/ 35	1.4	7.7	2.4			.1																						260	260	264	223				
34/ 33	1.1	8.0	1.7			.1																						245	245	259	248				
32/ 31	2.8	6.1	2.3			.2																						253	253	293	274				
30/ 29	1.1	4.4	1.8			.1																						164	164	203	225				
28/ 27	.4	2.7	.8			.1																						90	90	136	178				
26/ 25	1.1	2.6	1.1																									106	106	110	125				
24/ 23	.4	2.3	.3																									76	76	92	111				
22/ 21	.4	2.3	.3																									71	71	80	103				
20/ 19	.2	1.5	.0																									38	38	76	52				
18/ 17	.0	.7	.0																									18	18	29	67				
16/ 15	.4	1.0	.0																									32	32	24	72				
14/ 13	.0	.4	.0																									11	11	27	61				
12/ 11	.2	.4	.0																									13	13	13	39				
10/ 9	.0	.2	.0																									5	5	7	30				
8/ 7		.2	.0																									5	5	5	21				
6/ 5																															3	20			
4/ 3	.0																											1	1	1	16				
2/ 1																																6			
0/ -1																																1			
-2/ -3																																2			
-4/ -5																																1			
-6/ -7																																1			
-8/ -9																																1			
-10/ -11																																1			
TOTAL	11.5	34.1	22.7	1.6	.0																								2231	2231		2230			
																												2231		2231					
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		s <sub>x</sub>		No. Obs.		Mean No. of hours with Temperature																								
Rel. Hum.	15140955		182245		81.7		10.665		2231		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																		
Dry Bulb	2671366		75270		33.7		7.690		2231								93																		
Wet Bulb	2601511		71277		31.9		7.468		2231								93																		
Dew Point	2001043		63743		28.6		8.961		2230								93																		

USAFETAC FORM 0-26-5 (OL A) REVIDED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

35010 WIESBADEN AB GERMANY  
STATION STATION NAME

47-70  
YEARS

JAN  
MONTH

PAGE 1 2109-2300  
HOURS U. S. T. I

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
54/ 53			.3																												8	8					
52/ 51			.1	.0	.1																										7	7					
50/ 49			.0	.2	.0																										19	19					
48/ 47		.1	.7	.3	.1																										25	25					
46/ 45			1.9	1.1	.1																										69	69					
44/ 43		.1	1.5	1.2																												72	72				
42/ 41		.1	2.5	1.6	.1																											96	96				
40/ 39		.5	5.4	1.5	.0																											163	163				
38/ 37	1.5	9.1	2.1	.0																												284	284				
36/ 35	2.2	8.3	2.2	.1																												285	285				
34/ 33	1.4	8.2	1.5	.1																												251	251				
32/ 31	2.5	6.4	1.8																													239	239				
30/ 29	1.7	5.3	.9																													175	175				
28/ 27	.9	2.9	1.1																													109	109				
26/ 25	1.3	2.0	.6																													100	100				
24/ 23	.4	1.9	.5																													65	65				
22/ 21	.8	2.4	.2																													76	76				
20/ 19	.3	2.3																														59	59				
18/ 17	.2	1.5																														38	38				
16/ 15	.3	1.2																														33	33				
14/ 13	.1	.9																														21	21				
12/ 11	.1	.4																														13	13				
10/ 9	.3	.1																														10	10				
8/ 7	.0	.2																														5	5				
6/ 5	.1	.1																														5	5				
4/ 3	.0	.0																														2	2				
2/ 1																																					
0/ -1																																					
-2/ -3																																					
-4/ -5																																					
-6/ -7																																					
TOTAL	15.267	119.8	.9																														2231	2231			
																																	2231	2231			
Element (X)	ΣX <sup>2</sup>		ΣX		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ						
Rel. Hum.	1561667		185272		83.010		175		2231		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total														
Dry Bulb	2544913		73235		32.8		7.948		2231				39.6										93														
Wet Bulb	2309184		69668		31.2		7.705		2231				48.4										93														
Dew Point	1950144		62772		28.1		9.088		2231				60.1										93														

USAFETAC FORM 44 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

35010 WIESBADEN AB GERMANY  
STATION STATION NAME

47-70

**FEB**

PAGE 1 0000-0200  
NOV 25 1955

[illegible]



## PSYCHROMETRIC SUMMARY

**47-70**

FEB  
MAY 1964

PAGE 2 0000-0200  
HOURS 1-5:30

## PSYCHROMETRIC SUMMARY

47-70

17

PAGE 1 0300-0500  
DOUBT - 5 T-1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	DB. WB	Dry Bulb	Wet Bulb	Dew Point													
50/35			.1															1	1															
50/33		.1	.1															5	5															
52/31		.1	.1	.1														7	7	4														
50/49		.5	.5	.1														23	23	4	4													
48/47	.1	.7	1.1	.1														41	41	19	7													
46/45	.1	2.0	.5	.4	.0													63	63	47	18													
44/43	.1	2.6	1.5	.1														98	98	65	46													
42/41	.1	3.3	1.0	.1														104	104	103	65													
40/39	1.0	4.5	2.5	.1														146	146	125	87													
38/37	1.0	5.5	1.5	.1														181	181	138	121													
36/35	1.5	8.4	2.7															255	255	204	165													
34/33	1.5	5.6	1.4	.2														175	175	257	160													
32/31	2.5	5.1	1.0	.1														190	190	183	293													
30/29	1.5	5.1	1.5	.1														161	161	176	187													
28/27	1.5	9.5	1.8															130	130	163	191													
26/25	1.0	3.3	.9															101	101	127	120													
24/23	1.0	2.3	.5															77	77	112	97													
22/21	1.5	1.8	.3															45	45	57	113													
20/19	1.5	2.1																67	67	75	84													
18/17	1.5	1.4																39	39	55	82													
16/15	1.5	1.0																30	30	36	78													
14/13	1.5	.7																22	22	25	36													
12/11	1.5	.4																18	18	21	48													
10/9	1.5	.3																24	24	22	24													
8/7	1.5	.1																13	13	13	41													
6/5	1.5	.1																7	7	10	22													
4/3	1.5	.1																6	6	6	13													
2/1	1.5	.0																1	1	2	6													
0/-1	1.5	.1																2	2	1	8													
-2/-3	1.5	.1																2	2	3	5													
-4/-5	1.5																			1	2													
-6/-7	1.5																				3													
-8/-9	1.5																																	

## PSYCHROMETRIC SUMMARY

FEB

PAGE 2 0300-0500  
HOURS (L. S. T.)

USAFETAC FORM 0.25-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

35010 VIESBADEN AB GERMANY  
STATION STATION NAME

47-70  
YEARS

FEB  
MONTH

PAGE 1 0600-0900  
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
56/ 55			.0	.0																											2	2				
54/ 53				.1																												3	3	1		
52/ 51				.1	.0	.0																										5	5	2	1	
50/ 49			.4	.4	.1																											20	20	3	2	
48/ 47	.0	.8	.5	.2																												32	32	17	4	
46/ 45	.8	1.7	1.0	.1	.0																											64	64	37	21	
44/ 43	.9	2.1	1.3	.2																												85	85	59	33	
42/ 41	.9	3.0	1.9	.1																												103	103	83	58	
40/ 39	1.1	4.2	2.0	.0																												148	148	133	71	
38/ 37	1.6	5.8	2.1	.1																												190	190	157	127	
36/ 35	1.7	7.3	2.2																													228	228	208	157	
34/ 33	2.3	5.4	1.9		.1																											202	202	252	207	
32/ 31	1.8	5.1	1.6	.2																												178	178	180	228	
30/ 29	2.2	4.6	.9	.3																												160	160	162	179	
28/ 27	1.1	3.3	1.0																													119	119	156	143	
26/ 25	.8	3.4	.3																													103	103	102	117	
24/ 23	.8	2.7	.4																													79	79	111	85	
22/ 21	1.0	2.6	.4																													81	81	91	100	
20/ 19	1.1	1.8	.0																													60	62	86	81	
18/ 17	.7	1.0																														35	35	46	88	
16/ 15	.9	1.0																														26	26	24	89	
14/ 13	.0	.8																														28	28	32	48	
12/ 11	.4	.3																														20	20	24	90	
10/ 9	.1	.1																														29	29	25	32	
8/ 7	.2	.3																														12	13	16	31	
6/ 5	.2	.3																														5	5	10	26	
4/ 3	.2	.1																														.4	6	2	17	
2/ 1	.2	.1																																2	9	
0/ 0	.1	.1																														.4	.4	2	9	
22/ 23	.1	.1																														.4	.4	5	3	
24/ 25																																			1	5
26/ 27																																			1	1
28/ 29																																			3	3
30/ 31																																			2	2
Element (X)	Σ X <sup>2</sup>					Σ X					X̄					e <sub>x</sub>					No. Obs.					Mean No. of Hours with Temperature										
Rel. Hum.																										≤ 0 F					≤ 32 F					
Dry Bulb																										≥ 67 F					≥ 73 F					
Wet Bulb																										≥ 80 F					≥ 93 F					
Dew Point																															Total					

USAFETAC FORM 0-26-5 (DL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

47-72

FFB

PAGE 2 0600-0800  
HOURS: 12-3, 7-1

[illegible]

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

## PSYCHROMETRIC SUMMARY

35010      WIESBADEN AB GERMANY  
STATION      STATION NAME

47-75

**FREE**

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## PSYCHROMETRIC SUMMARY

47-70

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## PSYCHROMETRIC SUMMARY

47-70

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PAGE 1 1200-1400

[illegible]



## PSYCHROMETRIC SUMMARY

FEB

PAGE 2 1200-1400  
HOURS 12 5 1

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

35010 WIESBADEN AB GERMANY

47-70

FEB

PAGE 1 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63																																	1	1		
62/ 61																																	5	5		
60/ 59																																	12	12		
58/ 57																																	14	14		
56/ 55																																	18	18	6	
54/ 53																																	27	27	14	1
52/ 51																																	51	51	9	11
50/ 49																																	77	77	37	8
48/ 47																																	124	124	56	19
46/ 45																																	143	143	84	49
44/ 43																																	174	174	128	42
42/ 41																																	192	192	166	96
40/ 39																																	181	181	183	127
38/ 37																																	199	199	219	146
36/ 35																																	204	204	191	168
34/ 33																																	198	198	173	181
32/ 31																																	124	124	221	161
30/ 29																																	112	112	159	174
28/ 27																																	57	57	142	143
26/ 25																																	44	44	83	122
24/ 23																																	31	31	38	134
22/ 21																																	33	33	38	83
20/ 19																																	35	35	42	93
18/ 17																																	6	6	23	78
16/ 15																																	4	4	9	63
14/ 13																																	3	3	4	56
12/ 11																																			3	34
10/ 9																																	1	1	1	17
8/ 7																																	2	2	1	3
6/ 5																																			2	5
4/ 3																																				10
2/ 1																																				2
0/ -1																																				2
-2/ -3																																				2
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma_x$			No. Obs.			Mean No. of Hours with Temperature						Total														
Rel. Hum.																$\leq 0 F$			$\leq 32 F$			$\leq 67 F$			$\leq 73 F$			$\leq 80 F$			$\leq 93 F$			Total		
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAF ETAC FORM 0-26-5 (OL A) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### PSYCHROMETRIC SUMMARY

35010      KIESBADEN AB GERMANY  
STATION      STATION NAME

47-70

**FEF**

PAGE 2 1500-1700  
-CUBS- S. T.

[illegible]



### PSYCHROMETRIC SUMMARY

67-72

FEB

PAGE 2 1902-2900

[illegible]

USAFETAC  
FORM  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS BY THIS FORM ARE OBSOLETE

35010      WIESBADEN AB GERMANY  
STATION      STATION NAME

47-70

268  
MON 4

PAGE 1 2100-2300  
HOLDS 'L. S. T.'

## PSYCHROMETRIC SUMMARY

35010 WIESBADEN AB GERMANY  
STATION STATION NAME

47-70

**FEB**

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MAR  
1957

H.C. R.S. S. 7



## PSYCHROMETRIC SUMMARY

46-70

MAR

PAGE 1 0300-0500

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

35010 WIESBADEN AB GERMANY  
STATION STATION NAME

46-70  
YEARS

MAR  
MONTH

PAGE 1 C600-0200  
HOURS (L, S, T, I)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28-29	30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
56/ 55					.1	.0														3	3														
54/ 53			.1	.0	.1	.0														8	8														
52/ 51		.1	.1	.0	.2	.1														28	28	5	1												
50/ 49	.1	1.3	1.4	.3																70	72	21	9												
48/ 47	.2	2.1	1.4	.2	.0	.0														103	104	65	21												
46/ 45	.3	4.8	2.0	.3																175	175	117	67												
44/ 43	.2	3.6	2.8	.3	.0															159	159	140	107												
42/ 41	.0	2.4	2.8	.3																191	191	156	142												
40/ 39	1.4	5.6	4.0	.5	.0	.0														269	269	208	136												
38/ 37	1.0	6.3	3.3	.2	.1															249	249	272	159												
36/ 35	1.2	5.1	3.1	.2	.0															225	225	253	230												
34/ 33	1.3	5.3	2.3	.1	.1															207	207	238	240												
32/ 31	1.2	5.3	2.3	.2																207	207	243	242												
30/ 29	.9	3.8	1.3	.0																138	138	164	212												
28/ 27	.3	3.7	1.0																	117	117	160	168												
26/ 25	.3	2.4	.0																	78	78	124	145												
24/ 23	.1	1.0	.1																	32	32	64	96												
22/ 21	.1	.9	.1																	24	24	38	115												
20/ 19	.1	.4																		12	12	17	65												
18/ 17	.1	.3																		9	11	12	82												
16/ 15		.1																		3	4	8	29												
14/ 13	.1																			3	3	4	22												
12/ 11		.0																		1	1		14												
10/ 9	.2																			4	4	5	12												
8/ 7																							4												
6/ 5																							7												
TOTAL	9.8	56.3	29.9	3.3	.6	.1														2315	2321	2315	2315												
Element (X)	ΣX²		ΣX		X̄		s²		No. Obs.		Mean No. of Hours with Temperature							Total																	
Rel. Hum.	15582495		188211		81.2		10.712		2315		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93																		
Dry Bulb	3296637		85855		37.0		7.216		2321		25.2							93																	
Wet Bulb	2936328		80866		34.9		6.962		2315		33.7							93																	
Dew Point	2468622		73230		31.6		9.108		2315		48.3							93																	

USAFETAC FORM 0-26-5 (OLAI) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

USAFETAC

## PSYCHROMETRIC SUMMARY

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USAFETAC  
FORM: 0-26.5 (OL A)  
MIL 4-4  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

35010 KIESBADEN AB GERMANY  
STATION

46-70  
YEARS

MAR  
MONTH

PAGE 1 1200-1400  
HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	DB-WB	Dry Bulb	Wet Bulb	Dew Po																
76/ 75																																1	1				
72/ 71																																3	3				
70/ 69																																3	3				
68/ 67																																14	14				
66/ 65																																28	28				
64/ 63																																25	25				
62/ 61																																43	43				
60/ 59																																70	70				
58/ 57																																81	81				
56/ 55																																134	134				
54/ 53																																135	135				
52/ 51																																154	154				
50/ 49																																187	187				
48/ 47																																225	225				
46/ 45																																221	221				
44/ 43																																205	205				
42/ 41																																175	175				
40/ 39																																161	161				
38/ 37																																153	153				
36/ 35																																123	123				
34/ 33																																90	90				
32/ 31																																52	52				
30/ 29																																29	29				
28/ 27																																12	12				
26/ 25																																1	1				
24/ 23																																					
22/ 21																																					
20/ 19																																					
18/ 17																																					
16/ 15																																					
14/ 13																																					
12/ 11																																					
10/ 9																																					
8/ 7																																					
Element (X)	$\Sigma X^1$					$\Sigma X$					$\bar{X}$					$\sigma_x$					No. Obs.					Mean No. of Hours with Temperature											
Rel. Hum.																										≤ 0 F					≤ 32 F						
Dry Bulb																										≤ 67 F					≤ 73 F						
Wet Bulb																										≤ 80 F					≤ 93 F						
Dew Point																															Total						

USAFETAC FORM 0-26-5 (OL A) 1A 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

46-70

MAR  
1959

PAGE 2 120C-14CC

### PSYCHROMETRIC SUMMARY

2. **AR**

PAGE 1 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-6	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point												
78/ 77																				1	1													
76/ 75																				1	1													
74/ 73																				3	3													
72/ 71																				3	3													
70/ 69																				25	25													
68/ 67																				31	31													
66/ 65																				37	37													
64/ 63																				44	44	1												
62/ 61																				72	72	1												
60/ 59																				95	95	1												
58/ 57																				103	103	14												
56/ 55																				127	127	43												
54/ 53																				131	131	90												
52/ 51																				172	172	101												
50/ 49																				204	204	213												
48/ 47																				210	210	202												
46/ 45																				219	219	197												
44/ 43																				195	195	202												
42/ 41																				157	157	226												
40/ 39																				161	161	218												
38/ 37																				110	110	245												
36/ 35																				94	94	170												
34/ 33																				73	73	147												
32/ 31																				38	38	129												
30/ 29																				13	13	69												
28/ 27																				6	6	32												
26/ 25																						9												
24/ 23																						3												
22/ 21																						103												
20/ 19																						60												
18/ 17																						34												
16/ 15																						29												
14/ 13																						14												
12/ 11																						9												
Element (X)	$\Sigma X^2$																																	

## PSYCHROMETRIC SUMMARY

46-70

VAR

PAGE 2 1500-2700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
10/ 9/																					1			
8/ 7/																					1			
4/ 3/																					1			
TOTAL	1.2	11.5	21.5	24.6	18.4	12.4	3.2	3.2	1.4	.5	.2									2325	2325			
																					2325			





### PSYCHROMETRIC SUMMARY

46-70

YAR  
MAR 14

PAGE 2 1800-2000

[illegible]

## PSYCHROMETRIC SUMMARY

45-71

43

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[illegible]

0.26-5 (01A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC



### PSYCHROMETRIC SUMMARY

APR

PAGE 1 0300-0500  
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (OLA)  
REVISED VARIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

**UŞAFETAC**

## PSYCHROMETRIC SUMMARY

35010                      WIESBADEN AB GERMANY  
STATION                      STATION NAME

46-75

APR

PAGE 1 C600-08CC

[illegible]



## PSYCHROMETRIC SUMMARY

△ 222

PAGE 1 1200-1400  
HOURS - S. T. I

[illegible]

## PSYCHROMETRIC SUMMARY

46-75

425

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[illegible]



APR

## PSYCHROMETRIC SUMMARY

PAGE 1 1500-1700

[illegible]

## PSYCHROMETRIC SUMMARY

<u>35010</u>	<u>WIESBADEN, AB GERMANY</u>
STATION	STATION NAME

40-75

AP3

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[illegible]



## PSYCHROMETRIC SUMMARY

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22:

PAGE 2 1800-2000

[illegible]

## PSYCHROMETRIC SUMMARY

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PAGE : 2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry B.	Wet B.	Dew Point							
72/ 71																												1	1								
70/ 69																												5	5								
68/ 67																												5	5								
66/ 65																												29	29								
64/ 63																												41	41								
62/ 61																												61	61								
60/ 59																												87	87	2	2						
58/ 57																												107	107	15							
56/ 55																												163	163	68	4						
54/ 53																												223	224	115	21						
52/ 51																												218	220	160	55						
50/ 49																												243	243	225	115						
48/ 47																												195	196	256	159						
46/ 45																												193	195	275	195						
44/ 43																												205	205	244	192						
42/ 41																												174	174	221	201						
40/ 39																												131	131	228	226						
38/ 37																												92	92	169	264						
36/ 35																												42	42	146	221						
34/ 33																												20	20	72	187						
32/ 31																												6	6	31	150						
30/ 29																														10	97						
28/ 27																														2	61						
26/ 25																															45						
24/ 23																															30						
22/ 21																																					

## PSYCHROMETRIC SUMMARY

4573

464

PAGE 1 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-	17-	18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
74/ 73																			1		1											
72/ 71																			3		5											
70/ 69																			7		7											
68/ 67																			22		22											
66/ 65																			47		47	1										
64/ 63																			64		64	8										
62/ 61																			133		134	32										
60/ 59																			157		159	50										
58/ 57																			220		220	94										
56/ 55																			199		199	189										
54/ 53																			256		256	220										
52/ 51																			312		312	261										
50/ 49																			250		250	325										
48/ 47																			221		221	300										
46/ 45																			164		164	241										
44/ 43																			106		106	213										
42/ 41																			82		82	168										
40/ 39																			40		40	127										
38/ 37																			23		23	44										
36/ 35																			8		8	30										
34/ 33																			3		3	15										
32/ 31																						2										
30/ 29																																
28/ 27																																
26/ 25																																
TOTAL	1.929	535	716	9	9.7	5.4	1.3	.3											2320		2320	2320										

### PSYCHROMETRIC SUMMARY

35010

IESADENA DE GERMANY  
STATION NAME

45-72

227

PAGE 1 C300-C500  
-0000 L. S. 71

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### PSYCHROMETRIC SUMMARY

35010      IESBADEN AD GERMANY  
STATION      STATION NAME

45-73

42

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[illegible]







## PSYCHROMETRIC SUMMARY

RAY  
MAY 1964

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[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

44  
MAY 1964

PAGE 1 1500-1700  
NOV 95 12 57 PM

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
90/ 89																		1	1																
88/ 87																		2	3																
86/ 85																		14	14																
84/ 83																		13	13																
82/ 81																		27	27																
80/ 79																		61	61																
78/ 77																		74	74																
76/ 75																		121	122																
74/ 73																		131	131																
72/ 71																		149	149	1															
70/ 69																		174	174	8															
68/ 67																		136	136	31															
66/ 65																		173	173	62	6														
64/ 63																		188	188	84	12														
62/ 61																		210	210	153	21														
60/ 59																		225	225	230	55														
58/ 57																		191	191	226	76														
56/ 55																		173	173	283	111														
54/ 53																		114	114	299	163														
52/ 51																		74	74	251	174														
50/ 49																		43	43	276	192														
48/ 47																		20	20	189	197														
46/ 45																		3	3	130	245														
44/ 43																		2	2	61	238														
42/ 41																		4	4	17	209														
40/ 39																				14	177														
38/ 37																				7	146														
36/ 35																					104														
34/ 33																					75														
32/ 31																					52														
30/ 29																					36														
28/ 27																					22														
26/ 25																					7														
24/ 23																					4														
Element (X)	Σ X <sup>2</sup>			Σ X			X̄																												

## PSYCHROMETRIC SUMMARY

35010	MESSAGE	AM GERMANY
STATION		STATION NAME

46-72

44Y

PAGE 2 1500-1700  
NGURS S. T.

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## PSYCHROMETRIC SUMMARY

46-70

44Y

PAGE 1 1800-2000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
88/ 87																		1	1																
86/ 85																		4	4																
84/ 83																		7	7																
82/ 81																		10	10																
80/ 79																		22	22																
78/ 77																		36	36																
76/ 75																		62	63																
74/ 73																		70	71																
72/ 71																		116	116																
70/ 69																		135	135	1															
68/ 67																		162	163	23	1														
66/ 65																		166	163	35															
64/ 63																		194	184	71	13														
62/ 61																		184	184	102	27														
60/ 59																		236	236	206	35														
58/ 57																		227	227	225	86														
56/ 55																		241	241	267	122														
54/ 53																		191	191	298	152														
52/ 51																		110	110	287	200														
50/ 49																		86	86	277	247														
48/ 47																		46	46	217	225														
46/ 45																		14	14	159	244														
44/ 43																		4	4	92	227														
42/ 41																		1	1	37	184														
40/ 39																		2	2	15	172														
38/ 37																		3	3	8	139														
36/ 35																				2	102														
34/ 33																					60														
32/ 31																					35														
30/ 29																					28														
28/ 27																					11														
26/ 25																					9														
24/ 23																					2														
22/ 21																					1														
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.																																			

0.26-5 (OLA)

USAFETAC

## PSYCHROMETRIC SUMMARY

35010      LESSENEN 48 GERMANY  
STATION      STATION NAME

40-75

MAY

PAGE 2 1900-2000  
HOLRS 1. S. T. 1

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## PSYCHROMETRIC SUMMARY

$$\frac{2Y}{MCH^2}$$

PAGE 1 2100-2300  
-CURS - 5.7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F.)																														TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	D.B. W.B.	Dry Bulb W.B.	Dew Point			
78/ 77													.2	.1																			3	3			
75/ 73													.2	.1																			6	6			
74/ 73													.0	.2	.0																		17	10			
72/ 71							.1	.1	.1	.1	.1	.4																					14	16			
70/ 69				.1	.4	.4	.2	.0	.1	.1	.1	.1	.1	.1	.1	.1																	44	44			
68/ 67				.3	.4	.5	.9	.7	.2	.0	.0																							66	66		
66/ 65		.4	.5	.7	.5	.1	.4	.3	.1																									90	90	11	
64/ 63		.3	1.1	1.2	1.2	1.2	1.1	.4	.2																									129	130	34	
62/ 61		.6	1.2	2.0	1.5	1.7	.2	.1																											168	190	42
60/ 59		.9	2.1	3.3	2.0	1.6	.4	.1	.0																										242	242	83
58/ 57	.3	1.4	2.5	2.1	2.1	.9	.2	.0																											220	220	176
56/ 55	.2	2.1	3.3	3.6	1.2	.5	.0																												254	254	244
54/ 53	.2	2.5	4.2	3.1	1.3	.4	.3																												272	272	244
52/ 51	.2	2.1	4.9	2.9	1.4	.4	.3																												277	277	307
50/ 49	.2	1.2	3.1	2.7	.7	.2																													187	187	333
48/ 47		1.2	2.3	1.8	.3	.0																													138	138	243
46/ 45		1.2	1.9	.7	.0																														91	91	223
44/ 43		.6	1.1	.2	.0																														43	43	185
42/ 41	.1	.3	.6	.1																															25	25	100
40/ 39		.1	.3	.1																															11	11	60
38/ 37		.3	.1				</																														



## PSYCHROMETRIC SUMMARY

35010      LESEADEL AB GERMANY  
STATION      STATION NAME

46-72

PAGE : 0000-0200

[illegible]

## PSYCHROMETRIC SUMMARY

46-75

PAGE 1 0300-0500

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

0900-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22-23	24-25	26-27	28-29	30	31	D.B. W.B. Dry Bulb Wet Bulb Dew Point																		
90/ 89												.0																		1	1						
88/ 87						.0						.1																		4	4						
86/ 85												.2																		8	8						
84/ 83												.2																		16	16						
82/ 81							.0		.0		.1		.4																	17	17						
80/ 79							.4		.2		.1		.8																	28	28	1					
78/ 77							.0		.4		.5		.6																	41	41						
76/ 75					.0		.4		1.0		1.3		.4																	78	78	1	1				
74/ 73					.2		.9		1.2		1.6		.4																	104	104	2					
72/ 71				.1	.4		1.9		1.9		1.6		.3		.1		.0														148	148	11	1			
70/ 69				.2	1.4		2.2		2.4		1.3		.8		.1																190	190	21	2			
68/ 67			.1	.8	1.7		2.2		2.2		1.1		.4		.1																	196	196	50	5		
66/ 65			.4	1.2	2.5		3.6		2.4		.8		.4																				256	256	114	15	
64/ 63		.0	.4	1.5	3.1		3.2		1.9		.6		.3																				241	241	203	46	
62/ 61			1.2	1.2	3.1		2.5		1.2		.3																						214	214	223	91	
60/ 59			1.4	1.3	3.5		2.2		1.5		.4		.0																				240	240	203	160	
58/ 57			1.2	2.4	1.7		1.8		.6		.2																							178	178	299	224
56/ 55		.1	1.2	1.3	1.4		1.8		.2		.2																							145	145	325	259
54/ 53		.2	1.2	.9	.8		.3		.1																									80	80	266	257
52/ 51			.7	.3	.4		.0																											47	47	205	286
50/ 49			.1	.2	.1		.0																											11	11	130	252
48/ 47				.1	.0	</																															

AIR MEAT-ER SERVICE / AC

## PSYCHROMETRIC SUMMARY

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PAGE 1 1200-1400

[illegible]

## PSYCHROMETRIC SUMMARY

46-72

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[illegible]

## PSYCHROMETRIC SUMMARY

45-7:

PAGE 1 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	D.B.	W.B.	D.B.	W.B.	Dew Point													
96/ 95														.1	.1			5	5																
94/ 93															.1			3	3																
92/ 91																		13	13																
90/ 89											.1	.2	.5	.3				22	22																
88/ 87					.1		.1			.1	.3	.5	.1	.0				29	29																
86/ 85						.1	.1	.1	.2	.3	.5	.4	.3					45	45																
84/ 83							.3	.6	.9	.8	.8	.8						68	68																
82/ 81					.1		.1	.6	1.1	1.0	.9	.1						81	81																
80/ 79				.1	.1	.1	.4	.8	.4	1.0	.7	.1	.0					85	85		1														
78/ 77				.1	.3	.4	.9	1.4	1.7	1.1	.4	.3		.0				145	145																
76/ 75				.1	.4	1.1	1.5	1.9	1.4	.9	.4	.0						172	172		5														
74/ 73				.1	.6	.3	1.9	2.0	.8	.7	.2							166	166		1	3													
72/ 71			.1	.6	1.5	1.3	2.0	2.0	.8	.2								192	192		13	3													
70/ 69			.1	.7	1.0	2.3	1.5	1.3	.6	.3								182	182		48	3													
68/ 67		.3	.7	1.2	1.8	1.9	1.9	1.5	.6	.0								226	226		119	2													
66/ 65		.2	.7	.9	1.2	2.9	1.8	.8	.2									192	192		206	18													
64/ 63		.2	.9	1.0	2.5	1.9	1.0	.4										178	178		221	55													
62/ 61		.4	.6	1.4	1.3	.9	.4	.1										119	119		269	103													
60/ 59	.1	.5	1.2	1.5	1.1	.9	.1											126	126		314	136													
58/ 57	.1	.7	1.0	.9	.4	.4	.0											81	81		266	161													
56/ 55	.1	.6	1.3	.2	.4	.2	.0											66	66		317	247													
54/ 53	.1	.4	.5	.3	.1	.0												31	31		221	254													
52/ 51		.4	.1	.0	.1													15	15		131	269													
50/ 49		.2																5	5		69	270													
48/ 47		.1																2	2		35	218													
46/ 45																					10	163													
44/ 43																					3	129													
42/ 41																						110													
40/ 39																						54													
38/ 37																																			

## PSYCHROMETRIC SUMMARY

45-70

44

PAGE 2 1500-1700

[illegible]

USAFETAC FORM 0-26-5 (CL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



### PSYCHROMETRIC SUMMARY

PAGE 1 1800-2000

[illegible]



## PSYCHROMETRIC SUMMARY

45-7a

PAGE 1 2100-2300

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

46-75

YES

11/11/11

PAGE 1 0000-0200  
7-83 L.S.I.

[illegible]



## PSYCHROMETRIC SUMMARY

46-75

PAGE : 0600-0800

Temp. (F)	WET BULB TEMPERATURE DEPRESSION F:																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16-17	18-19	20-21	22-23	24-25	26-27	28-29	30-31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
82/ 81																		1		1														
80/ 79																		2		3														
78/ 77																		11		11														
76/ 75																		22		22														
74/ 73																		38		38														
72/ 71																		48		48	1													
70/ 69																		89		89	15													
68/ 67																		153		153	39													
66/ 65																		197		197	95													
64/ 63																		223		223	94													
62/ 61																		300		300	136													
60/ 59																		350		352	297													
58/ 57																		330		330	267													
56/ 55																		261		262	415													
54/ 53																		152		152	294													
52/ 51																		99		99	221													
50/ 49																		24		24	143													
48/ 47																		12		12	52													
46/ 45																		5		5	18													
44/ 43																					7													
42/ 41																																		
40/ 39																																		
TOTAL	2.0	29.3	37.2	19.3	7.8	3.1	.4	.2										2318		2318	2318													

USAFETAC FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

PAGE 1 2900-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24-25	26-27	28-29	30	31	DS	WB	Dry Bulb	Wet Bulb	Dew Point												
90/ 89							.3		.5										2		2														
88/ 87								.3	.1	.1	.1	.3							7		7														
86/ 85						.3		.1	.2	.1	.1	.1							14		14														
84/ 83							.4		.2	.2	.1								24		24														
82/ 81					.1	.3	.3		.2	.4	.3								42		42														
80/ 79				.2	.1	.6	.3	.7	.8	.3	.1								74		74														
78/ 77				.1	.3	.8	.9	.5	.4										74		74		2												
76/ 75				.3	1.3	1.1	1.5	.9	.2	.1									136		136		1												
74/ 73			.1	.9	1.7	1.8	1.6	.7	.3										150		150		9												
72/ 71			.2	.4	2.3	1.5	1.4	.3	.2										148		148		32												
70/ 69		.2	.9	1.6	2.7	2.9	1.4	.3											231		231		75												
68/ 67		.3	1.1	2.2	2.7	2.5	.9	.1											226		226		106												
66/ 65		.4	2.4	2.2	3.4	1.8	.3	.1											252		252		191												
64/ 63	.1	.4	2.7	3.3	3.4	1.3	.4												221		221		258												
62/ 61		1.1	2.7	2.3	2.3	1.0	.1												255		255		271												
60/ 59		1.2	2.3	2.5	1.8	.5	.1												193		193		346												
58/ 57		.8	1.6	1.5	.5	.2													117		117		370												
56/ 55	.0	.7	1.1	.5	.3														64		64		283												
54/ 53	.1	.4	.3	.3	.1														27		27		193												
52/ 51		.4		.1															4		4		121												
50/ 49																							42												
48/ 47																							18												
46/ 45																							2												
44/ 43																							40												
42/ 41																							29												
40/ 39																							16												
38/ 37																							2												
TOTAL	.2	5.4	13.3	19.7	23.6	17.2	10.9	4.3	2.5	.7	.2								2325		2325		6325												
																			2325		2325														







## PSYCHROMETRIC SUMMARY

46-70

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## PSYCHROMETRIC SUMMARY

46-73

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[illegible]



### PSYCHROMETRIC SUMMARY

45-75

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[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

Aug  
1945

[illegible]







## PSYCHROMETRIC SUMMARY

Aug

PAGE 1 1200-1400  
MAR 85 1 5 7 1

USAFETAC



## PSYCHROMETRIC SUMMARY

46-7c

AG

PAGE 1 1800-2000

1900-2000





## PSYCHROMETRIC SUMMARY

40-72

533

PAGE 1 C300-C500

Temp (F)	WET BULB TEMPERATURE DEPRESSION - F																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25	26-27	28-29	30	31-32	DB. WB	Dry Bulb	Wet Bulb	Dew Point										
72/ 71																			1	1												
70/ 69																			1	1												
68/ 67																			12	12												
66/ 65																			33	33	2	2										
64/ 63																			58	59	16	3										
62/ 61																			140	143	58	26										
60/ 59																			222	224	144	94										
58/ 57																			239	239	176	147										
56/ 55																			289	289	233	173										
54/ 53																			277	277	291	218										
52/ 51																			268	268	318	274										
50/ 49																			226	226	271	278										
48/ 47																			155	155	257	272										
46/ 45																			112	112	173	218										
44/ 43																			81	81	122	161										
42/ 41																			40	40	75	129										
40/ 39																			19	19	39	72										
38/ 37																			7	7	22	66										
36/ 35																			4	4	7	33										
34/ 33																						13										
32/ 31																						2										
30/ 29																						2										
24/ 23																						1										
TOTAL	11.651	1.925	4	6.3	3.3	.4														2164	2190	2184										

### PSYCHROMETRIC SUMMARY

46-7

SF =

PAGE 1 C600-C800

## PSYCHROMETRIC SUMMARY

44-72

593

PAGE 1 C900-1100

**USAFETAC** FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
RUL 4A



1000

1000

SEP

120C-1400

USAFETAC FORM 0-26-5 (01 A) STAFFED WITHOUT TENDERS OF THIS FORM ARE OBSOLETE

### PSYCHROMETRIC SUMMARY

46a7c

S E F

PAGE 1 1500-1700  
40125-5-73

[illegible]

## PSYCHROMETRIC SUMMARY

SEP  
NOV 1

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

46-69

512

PAGE 1 2100-2300

## PSYCHROMETRIC SUMMARY

46-7^

100

5265 1st St. E.

[illegible]

### PSYCHROMETRIC SUMMARY

56T

PAGE 1 2300-0500

## PSYCHROMETRIC SUMMARY

35010      ALIESEDAEN AG GERMANY  
STATION      STATION NAME

40-70

CCT

PAGE 1 0600-CBGG

[illegible]













### PSYCHROMETRIC SUMMARY

46-75

12

PAGE 1 2000-C200

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

**USAFETAC**











## PSYCHROMETRIC SUMMARY

NOV

NO. 85 - S. T. 1

## PSYCHROMETRIC SUMMARY

46-70

NOV

PAGE 1 1800-2000  
HOURS 5 - 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11	12-13	14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
64/ 63				.1															2	2															
62/ 61				.0															1	1															
60/ 59			.0			.1													5	5															
58/ 57		.1	.4	.1	.1	.0													19	19	3														
56/ 55		.7	.6	.3	.3														40	40	8														
54/ 53		.6	.5	.5	.1														38	38	26	14													
52/ 51	.1	.9	1.2	.4															58	58	34	21													
50/ 49	.1	2.1	3.0	.8															135	136	67	34													
48/ 47	.5	5.1	4.3	.5		.0													235	236	106	61													
46/ 45	.5	6.2	3.4	.4	.1														237	241	226	103													
44/ 43	1.2	7.1	3.4	.2	.1														268	269	294	190													
42/ 41	1.1	7.5	2.4	.2															249	249	241	291													
40/ 39	1.2	6.2	2.2	.2															220	220	301	239													
38/ 37	1.1	5.4	2.3	.1															201	201	215	292													
36/ 35	1.7	5.3	1.5	.0															193	194	201	255													
34/ 33	1.4	4.1	1.3	.2															171	171	192	213													
32/ 31	.6	2.3	.7																80	80	131	142													
30/ 29	.3	1.9	.1	.1	.0														56	56	77	118													
28/ 27	.2	.6																	18	18	81	99													
26/ 25	.0	.4																	10	10	15	89													
24/ 23	.0																		1	1	10	32													
22/ 21																					1	23													
20/ 19		.0																	1	1	1	12													
18/ 17																						4													
16/ 15	.1																		2	2	2	3													
12/ 11																						2													
10/ 9																						1													
8/ 7																						1													
6/ 5																						1													
TOTAL	10.3	57.0	27.5	4.2	.5	.2													2240	2248		2240													
Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	X	e <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.	15868036	187328	83.6	9.499	2240	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	3993551	93621	41.6	6.487	2248											6.7						90													
Wet Bulb	3584920	88570	39.5	6.082	2240											12.4						90													
Dew Point	3148796	82650	36.9	6.657	2240											21.2						90													



















## PSYCHROMETRIC SUMMARY

46-70

DEC

PAGE 1 2100-2300  
HOURS: 1, 3, 7, 1

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

35010 WIESBADEN AB GERMANY

46-70

STATION	STATION NAME	YEARS												
HRS. (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN S D TOTAL OBS	32.4 7,989 2230	33.1 8,892 2034	39.1 7,155 2318	46.4 5,955 2247	52.5 6,579 2323	57.8 5,956 2249	60.4 6,012 2315	59.9 5,438 2281	55.5 5,792 2159	47.5 6,501 2316	40.0 6,533 2246	34.1 7,890 2322	46.7 12,256 27040
03-05	MEAN S D TOTAL OBS	31.6 8,084 2232	32.3 9,100 2034	37.5 7,148 2322	44.4 6,619 2247	50.4 6,426 2321	55.6 5,756 2249	58.2 5,824 2318	57.9 5,354 2294	53.6 5,786 2190	46.2 6,645 2319	39.4 6,623 2242	33.6 7,994 2322	45.2 11,769 27090
06-08	MEAN S D TOTAL OBS	31.5 8,211 2232	31.9 9,202 2034	37.0 7,216 2321	44.9 6,731 2248	52.5 6,286 2324	58.5 5,906 2250	60.6 5,679 2321	59.1 5,268 2324	53.9 5,775 2250	45.9 6,783 2325	39.2 6,623 2246	33.4 8,051 2323	45.9 12,585 27195
09-11	MEAN S D TOTAL OBS	32.5 8,063 2231	33.7 8,908 2034	41.2 7,546 2325	50.8 7,326 2247	58.6 7,031 2324	64.5 7,064 2250	67.1 6,992 2325	65.5 6,103 2324	59.9 6,207 2250	49.9 6,702 2325	40.8 6,689 2245	34.3 7,931 2324	50.1 14,457 27204
12-14	MEAN S D TOTAL OBS	35.0 7,740 2232	37.4 8,517 2034	46.2 8,374 2325	53.8 8,808 2246	63.2 8,241 2325	68.9 8,209 2249	71.5 8,235 2325	70.5 7,201 2325	65.2 7,233 2250	54.7 7,177 2325	43.7 6,670 2245	36.4 7,758 2325	55.2 13,437 27206
15-17	MEAN S D TOTAL OBS	35.3 7,490 2232	38.4 8,368 2032	48.0 8,843 2325	57.2 9,304 2250	64.4 8,344 2325	69.9 8,922 2249	72.8 8,754 2325	71.7 7,633 2325	66.6 7,798 2250	55.4 7,313 2324	43.7 6,537 2242	36.3 7,637 2324	55.2 15,818 27203
18-20	MEAN S D TOTAL OBS	33.7 7,690 2231	35.9 8,363 2033	44.5 8,234 2325	53.8 8,422 2250	61.6 7,885 2325	67.1 8,016 2249	69.9 8,287 2320	68.3 7,272 2310	62.1 7,217 2220	51.4 6,997 2323	41.5 6,487 2246	35.1 7,632 2325	52.3 15,250 27150
21-23	MEAN S D TOTAL OBS	32.8 7,948 2231	34.3 8,451 2033	41.1 7,336 2319	49.0 7,237 2247	58.7 6,710 2323	61.0 6,433 2246	63.6 6,539 2320	62.5 5,741 2279	57.3 5,993 2189	48.8 6,491 2317	40.3 6,484 2244	34.3 7,756 2320	48.5 13,057 27038
ALL HOURS	MEAN S D TOTAL OBS	33.1 8,013 17851	34.6 9,002 16268	41.8 8,637 18880	50.3 9,038 17979	57.3 8,801 16590	62.9 8,711 17991	65.3 8,813 18569	64.4 8,066 16462	59.2 8,040 17728	50.0 7,887 18374	41.1 6,757 1798	34.7 7,920 18985	49.8 14,354 217135

DATA PROCESSING DIVISION  
USAF ETAC  
AFR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

NET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

35010 WIESBADEN AB GERMANY  
STATION STATION NAME

46-70  
YEAR

HRS (LST)	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN S D TOTAL OBS	30.9 7.736 2230	31.4 8.382 2034	30.5 6.779 2315	42.7 6.091 2241	43.5 5.807 2320	54.0 5.209 2249	56.5 5.048 2315	56.2 4.725 2281	52.5 5.292 2154	45.4 6.267 2316	38.4 6.238 2237	32.7 7.670 2318	43.9 11.280 27010
03-05	MEAN S D TOTAL OBS	30.4 7.837 2232	30.7 8.774 2034	35.3 6.893 2319	41.4 6.092 2240	47.2 5.835 2316	52.6 5.227 2249	55.2 5.018 2317	55.0 4.855 2242	51.2 5.535 2184	44.4 6.458 2316	37.9 6.345 2226	32.3 7.707 2316	42.9 11.103 27041
06-08	MEAN S D TOTAL OBS	30.2 7.947 2231	30.4 8.787 2029	34.9 6.943 2315	41.8 6.143 2236	48.7 5.644 2319	54.4 5.068 2249	56.8 4.822 2318	55.8 4.668 2321	51.4 5.407 2243	44.2 6.550 2321	37.7 6.324 2224	32.2 7.706 2314	43.4 11.599 27122
09-11	MEAN S D TOTAL OBS	31.0 7.771 2231	31.8 8.411 2031	37.8 6.875 2323	45.2 6.156 2246	51.9 5.769 2324	57.2 5.382 2250	59.6 5.127 2325	58.9 4.829 2323	54.9 5.050 2250	46.9 6.040 2322	38.9 6.162 2232	32.9 7.515 2318	45.7 12.170 27175
12-14	MEAN S D TOTAL OBS	32.8 7.366 2232	34.3 7.830 2033	40.9 7.100 2325	47.6 6.383 2243	53.8 6.078 2324	58.8 5.560 2268	61.0 5.359 2325	60.6 4.744 2325	57.2 5.249 2250	49.5 5.937 2322	40.9 6.078 2234	34.4 7.361 2324	47.8 12.034 27183
15-17	MEAN S D TOTAL OBS	32.1 7.166 2231	35.0 7.635 2032	41.8 7.047 2325	48.1 6.350 2247	54.1 5.913 2324	59.0 5.349 2249	61.3 5.184 2325	60.8 4.740 2325	57.7 5.335 2250	50.0 5.974 2324	40.9 5.956 2233	34.4 7.324 2324	48.2 11.962 27191
18-20	MEAN S D TOTAL OBS	31.9 7.486 2231	33.4 7.935 2032	40.0 7.017 2324	46.7 6.212 2249	53.1 5.807 2322	58.2 5.236 2249	60.6 5.192 2320	59.9 4.753 2309	56.2 5.435 2220	47.9 6.065 2323	39.5 6.062 2240	32.5 7.571 2325	46.9 12.122 27144
21-23	MEAN S D TOTAL OBS	31.2 7.705 2231	32.3 8.117 2032	37.9 6.754 2316	44.2 6.033 2241	50.4 5.721 2320	55.3 5.180 2246	58.2 5.081 2320	57.7 4.678 2279	53.9 5.303 2159	46.2 6.132 2317	38.7 6.117 2237	32.0 7.562 2321	45.1 11.595 27019
ALL HOURS	MEAN S D TOTAL OBS	31.4 7.692 17849	32.4 8.418 16258	38.1 7.228 19562	44.7 6.656 17943	51.0 6.327 18369	56.3 5.748 17989	58.7 5.544 18065	58.1 5.156 18492	54.4 5.834 17712	46.8 6.513 18561	39.1 6.272 17865	32.2 7.361 16259	45.5 11.891 216887

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

35010 WIESBADEN AB GERMANY

46-70

STATION		STATION NAME												YEARS	
HRS	LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN	27.9	27.9	32.6	38.4	44.7	50.9	53.7	53.6	50.0	43.1	36.2	30.2	40.9	
	S D	9.009	9.980	7.938	6.852	5.652	5.857	5.364	5.207	5.918	6.933	6.769	8.798	11.888	
	TOTAL OBS	2230	2034	2314	2241	2320	2249	2315	2281	2134	2316	2237	2318	27009	
03-05	MEAN	27.5	27.4	31.9	37.7	44.1	50.1	53.0	52.9	49.2	42.5	35.8	29.8	40.3	
	S D	9.110	10.138	8.034	6.851	5.546	5.776	5.286	5.275	6.080	7.038	6.888	8.792	11.819	
	TOTAL OBS	2232	2034	2319	2240	2316	2249	2312	2292	2184	2315	2226	2316	27039	
06-08	MEAN	27.4	27.2	31.8	38.1	45.1	51.3	54.2	53.4	49.3	42.3	35.6	29.7	40.6	
	S D	9.199	10.094	8.108	6.913	6.406	5.728	5.168	5.003	5.877	7.090	6.897	8.751	12.135	
	TOTAL OBS	2230	2029	2315	2236	2319	2249	2518	2321	2245	2321	2224	2314	27121	
09-11	MEAN	27.8	28.0	33.0	39.2	46.1	51.9	54.6	54.3	51.1	43.8	36.5	30.2	41.5	
	S D	9.067	9.775	8.128	7.262	7.010	6.294	5.769	5.086	5.813	6.810	6.795	8.720	12.228	
	TOTAL OBS	2231	2031	2323	2246	2324	2250	2325	2323	2230	2322	2232	2318	27175	
12-14	MEAN	28.9	29.2	33.9	39.3	46.8	51.5	54.1	54.0	51.4	44.7	37.5	31.1	41.9	
	S D	8.801	9.374	8.803	7.642	7.631	6.740	6.149	5.693	6.380	7.136	6.712	8.935	11.951	
	TOTAL OBS	2232	2033	2325	2242	2324	2243	2325	2323	2250	2322	2234	2324	27184	
15-17	MEAN	29.2	29.6	34.1	38.8	45.3	51.3	53.8	53.5	51.2	44.8	37.5	31.2	41.8	
	S D	8.680	9.352	8.659	7.682	7.712	6.653	6.049	5.982	6.479	7.316	6.536	8.545	11.764	
	TOTAL OBS	2232	2032	2323	2247	2324	2249	2325	2325	2250	2324	2235	2324	27192	
18-20	MEAN	28.6	29.2	34.1	39.3	45.9	52.0	54.6	54.3	51.7	44.5	36.9	30.7	41.9	
	S D	8.861	9.408	8.229	7.331	7.324	6.387	5.951	5.689	6.216	7.014	6.657	8.483	12.028	
	TOTAL OBS	2230	2032	2324	2249	2322	2249	2320	2309	2220	2323	2240	2325	27143	
21-23	MEAN	28.1	28.6	33.3	39.0	45.7	52.0	54.6	54.3	50.9	43.6	36.4	30.3	41.5	
	S D	9.082	9.482	7.928	6.904	6.828	5.845	5.510	5.243	5.995	6.930	6.670	8.671	12.038	
	TOTAL OBS	2231	2033	2316	2241	2320	2246	2319	2279	2139	2316	2237	2320	27017	
ALL HOURS	MEAN	28.2	29.4	33.1	38.7	45.3	51.4	54.1	53.8	50.6	43.7	36.6	30.4	41.3	
	S D	9.008	9.741	8.282	7.207	7.087	6.212	5.690	5.427	6.165	7.104	6.771	8.678	11.997	
	TOTAL OBS	17848	16738	18361	17942	18569	17989	18563	18433	17712	18329	17863	18359	216880	

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

35010  
STATION

RIESBADEN AB GERMANY  
STATION NAME

46-70  
PERIOD

ALL  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.9	99.4	96.7	85.7	60.8	24.9	82.3	17850
FEB		100.0	100.0	100.0	99.6	97.8	91.0	74.6	48.3	18.9	78.6	16256
MAR		100.0	100.0	99.4	97.2	91.2	79.2	58.5	33.3	11.1	72.6	18561
APR		100.0	99.9	98.5	92.2	81.2	65.9	46.7	23.2	5.8	66.9	17943
MAY		100.0	100.0	98.8	92.2	80.4	63.5	45.5	23.6	6.4	66.6	18569
JUN		100.0	100.0	98.9	93.4	82.6	67.2	49.0	29.1	8.2	68.4	17988
JUL		100.0	100.0	99.2	94.2	83.7	68.5	51.0	30.0	6.9	69.0	18562
AUG		100.0	100.0	99.3	93.7	83.8	71.8	54.6	33.9	9.4	70.7	18455
SEP		100.0	100.0	99.5	97.7	91.8	80.2	64.6	42.0	16.1	74.9	17712
OCT		100.0	100.0	99.6	99.2	96.6	90.3	78.1	54.9	24.8	80.1	18560
NOV		100.0	100.0	100.0	99.9	99.6	97.8	90.5	67.9	29.8	84.3	17863
DEC		100.0	100.0	100.0	100.0	99.8	98.5	90.1	67.7	30.6	84.4	18559
TOTALS		100.0	100.0	99.5	96.8	90.8	80.9	65.7	42.9	16.1	74.9	216880



### RELATIVE HUMIDITY

JAN  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	99.8	98.3	90.0	65.7	26.4	83.8	2230
	03-05	100.0	100.0	100.0	100.0	99.7	98.5	91.8	67.9	31.1	84.5	2232
	06-08	100.0	100.0	100.0	100.0	99.8	98.2	92.0	69.6	30.9	84.8	2231
	09-11	100.0	100.0	100.0	100.0	99.7	97.6	88.3	63.1	26.4	83.0	2231
	12-14	100.0	100.0	100.0	100.0	98.7	93.1	76.3	46.1	16.4	78.9	2232
	15-17	100.0	100.0	100.0	99.7	98.6	92.3	75.1	48.6	16.9	78.6	2232
	18-20	100.0	100.0	100.0	99.8	99.2	97.0	84.4	59.3	22.8	81.7	2231
	21-23	100.0	100.0	100.0	100.0	99.5	98.2	87.5	63.8	26.2	83.0	2231
TOTALS		100.0	100.0	100.0	99.9	99.4	96.7	85.7	60.8	24.9	82.3	17850

### RELATIVE HUMIDITY

47-76

**FREE**  
MAGAZINE

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	100.0	99.2	96.3	82.9	57.2	22.3	81.5	2034
	03-05	100.0	100.0	100.0	99.9	99.3	96.6	85.4	61.8	25.2	82.5	2033
	06-08	100.0	100.0	100.0	100.0	99.3	96.4	86.2	62.9	27.1	82.8	2028
	09-11	100.0	100.0	100.0	99.9	99.0	93.6	78.1	51.7	20.6	79.9	2031
	12-14	100.0	100.0	100.0	99.0	94.6	81.3	57.9	31.5	10.6	73.1	2033
	15-17	100.0	100.0	99.8	98.2	93.3	76.7	54.8	28.8	10.4	71.8	2032
	18-20	100.0	100.0	100.0	99.8	98.4	91.1	71.0	41.9	15.6	77.3	2032
	21-23	100.0	100.0	100.0	99.9	99.0	95.8	80.4	50.2	19.2	80.0	2033
TOTALS		100.0	100.0	100.0	99.6	97.8	91.0	74.6	48.3	18.9	72.6	16256

### RELATIVE HUMIDITY

VAR  
MON

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	99.6	98.9	93.3	75.4	44.0	14.0	78.2	2314
	03-05	100.0	100.0	100.0	99.8	99.4	95.8	82.2	53.6	18.1	80.5	2319
	06-08	100.0	100.0	100.0	99.6	99.2	97.0	83.5	56.8	21.0	81.3	2315
	09-11	100.0	100.0	99.7	99.1	95.4	84.2	60.0	31.0	10.2	73.6	2323
	12-14	100.0	99.8	98.6	94.1	80.3	57.8	33.1	14.4	4.7	63.8	2325
	15-17	100.0	99.8	97.2	89.2	70.2	48.6	28.5	11.7	3.7	60.5	2325
	18-20	100.0	100.0	99.4	96.7	88.1	70.2	43.8	21.6	6.2	68.2	2324
	21-23	100.0	100.0	100.0	99.3	97.8	86.4	61.8	33.1	10.8	74.6	2316
TOTALS		100.0	100.0	99.4	97.2	91.2	79.2	58.5	33.3	11.1	72.6	18561

### RELATIVE HUMIDITY

46-70

APR  
MAY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	99.3	96.3	85.9	65.1	35.2	9.0	74.7	2241
	03-05	100.0	100.0	100.0	99.7	98.6	92.7	76.1	44.9	12.9	78.2	2240
	06-08	100.0	100.0	100.0	99.8	97.9	91.5	75.2	43.4	13.0	77.7	2236
	09-11	100.0	100.0	99.7	97.0	86.2	63.0	38.7	15.3	3.3	65.9	2246
	12-14	100.0	99.8	97.1	83.4	58.8	37.4	19.2	6.4	1.1	55.9	2243
	15-17	100.0	99.7	93.6	72.5	51.6	32.9	18.2	5.4	.9	52.9	2247
	18-20	100.0	99.9	97.6	87.1	69.3	49.4	29.6	11.2	2.0	60.1	2249
	21-23	100.0	100.0	99.9	98.5	90.5	74.6	51.3	23.6	4.2	69.8	2241
TOTALS		100.0	99.9	98.5	92.2	81.2	65.9	46.7	23.2	5.8	66.9	17943

## RELATIVE HUMIDITY

MAY  
MON.

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.6	96.2	86.6	70.0	39.4	10.7	75.8	2320
	03-05	100.0	100.0	100.0	99.9	98.1	91.3	81.4	52.6	17.6	79.8	2316
	06-08	100.0	100.0	100.0	99.7	97.4	88.8	73.1	40.8	11.3	75.7	2319
	09-11	100.0	100.0	99.7	96.8	84.6	60.3	32.5	12.0	2.7	64.4	2324
	12-14	100.0	99.9	97.1	83.0	58.5	32.7	16.2	5.6	1.0	51.0	2324
	15-17	100.0	99.9	95.1	73.1	49.7	28.7	14.0	5.2	.9	52.1	2324
	18-20	100.0	100.0	98.3	87.5	67.3	43.2	24.2	9.7	1.6	58.7	2322
	21-23	100.0	100.0	99.9	98.3	91.5	76.3	52.8	23.8	5.0	70.3	2320
TOTALS		100.0	100.0	98.8	92.2	80.4	63.5	45.5	23.6	6.4	66.6	18569

## RELATIVE HUMIDITY

46-70

46

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	99.7	97.9	92.1	76.3	49.2	14.8	78.7	2249
	03-05	100.0	100.0	100.0	100.0	95.0	95.7	86.0	62.3	21.5	82.3	2248
	06-08	100.0	100.0	100.0	100.0	97.9	90.6	74.3	46.6	12.9	77.8	2249
	09-11	100.0	100.0	99.9	97.9	86.1	59.9	32.3	13.7	3.2	64.8	2250
	12-14	100.0	100.0	98.3	84.7	60.0	35.0	16.7	7.5	1.0	55.9	2248
	15-17	100.0	100.0	95.1	78.0	54.2	32.5	17.3	8.4	1.3	54.1	2249
	18-20	100.0	100.0	97.9	88.3	71.1	48.4	28.5	13.4	2.5	60.5	2249
	21-23	100.0	100.0	99.8	98.9	94.8	83.7	60.2	31.6	8.1	73.4	2246
TOTALS		100.0	100.0	98.9	93.4	82.6	67.2	49.0	29.1	8.2	68.4	17988

### RELATIVE HUMIDITY

PERIODS

July  
2004

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	99.6	99.0	94.9	81.1	50.2	11.8	79.4	2314
	03-05	100.0	100.0	100.0	100.0	99.9	98.0	90.8	66.3	18.7	83.3	2316
	06-08	100.0	100.0	100.0	100.0	99.6	95.9	82.0	51.2	12.2	79.8	2316
	09-11	100.0	100.0	100.0	98.6	88.5	63.6	33.7	12.9	2.2	65.5	2325
	12-14	100.0	100.0	99.1	86.8	62.4	33.8	15.8	7.1	1.2	56.1	2325
	15-17	100.0	99.9	96.3	78.4	52.1	28.8	15.0	7.6	1.1	53.5	2325
	18-20	100.0	100.0	98.1	90.0	72.5	47.1	27.3	12.8	2.6	60.5	2320
	21-23	100.0	100.0	100.0	99.7	95.6	86.0	61.9	31.3	5.7	73.6	2319
TOTALS		100.0	100.0	99.2	94.2	83.7	68.3	51.0	30.0	6.9	69.0	18562

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR MEATER SERVICE/AC

# RELATIVE HUMIDITY

35010 WIESBADEN AB GERMANY 46-70 AUG  
STATION STATION NAME PERIOD MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	99.6	96.6	95.3	84.3	55.6	15.2	80.6	2281
	03-05	100.0	100.0	100.0	99.9	99.0	97.5	91.4	69.9	24.0	83.9	2292
	06-08	100.0	100.0	100.0	100.0	99.1	93.8	87.3	62.5	18.6	82.1	2321
	09-11	100.0	100.0	100.0	98.9	91.8	71.7	42.1	18.6	4.1	68.4	2323
	12-14	100.0	100.0	98.9	90.7	67.0	37.7	17.0	6.8	1.1	57.5	2325
	15-17	100.0	100.0	96.9	83.3	55.6	30.6	15.6	7.6	1.8	54.7	2325
	18-20	100.0	100.0	98.9	93.7	78.1	55.2	30.8	13.8	2.7	62.8	2309
	21-23	100.0	100.0	100.0	99.6	97.5	89.7	67.9	36.0	8.0	75.5	2279
TOTALS		100.0	100.0	99.3	95.7	85.8	71.8	54.6	33.9	9.4	70.7	18453



### RELATIVE HUMIDITY

46-73

520

MONTH	HOURS ELST.	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	99.0	95.0	87.4	63.6	26.1	82.8	2154
	03-05	100.0	100.0	100.0	100.0	99.7	97.5	92.1	73.3	24.0	85.6	2164
	06-08	100.0	100.0	100.0	100.0	99.6	97.7	92.2	69.6	33.1	85.3	2245
	09-11	100.0	100.0	100.0	99.3	95.5	83.9	61.0	31.3	9.8	73.9	2250
	12-14	100.0	100.0	99.0	94.6	80.4	53.4	27.2	12.1	3.2	62.5	2250
	15-17	100.0	100.0	97.8	91.0	72.5	43.7	22.7	9.6	2.7	59.6	2250
	18-20	100.0	100.0	99.5	97.2	90.3	77.8	52.8	24.5	3.0	70.3	2220
	21-23	100.0	100.0	100.0	99.8	97.5	92.4	81.0	51.6	15.2	79.4	2159
TOTALS		100.0	100.0	99.5	97.7	91.8	80.2	64.6	42.0	16.1	74.9	17712

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/VAC

# RELATIVE HUMIDITY

35010  
STATION

WIESBADEN AB GERMANY  
STATION NAME

46-70  
PERIOD

OCT  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	99.9	99.4	97.6	91.4	72.0	31.9	85.1	2316
	03-05	100.0	100.0	100.0	100.0	99.7	98.9	94.6	79.0	41.9	87.2	2316
	06-08	100.0	100.0	100.0	100.0	99.8	98.6	94.4	75.3	44.5	87.7	2321
	09-11	100.0	100.0	100.0	99.7	98.1	92.2	79.7	53.1	24.3	80.6	2322
	12-14	100.0	100.0	99.6	97.5	90.1	73.4	52.2	26.2	9.9	70.7	2322
	15-17	100.0	99.9	99.1	96.7	88.9	70.6	47.2	23.8	6.8	68.8	2324
	18-20	100.0	100.0	99.8	99.5	97.5	93.3	77.1	44.8	14.6	78.3	2323
	21-23	100.0	100.0	100.0	99.9	99.1	96.0	83.0	62.6	24.6	82.7	2316
TOTALS		100.0	100.0	99.8	99.2	96.6	90.3	78.1	54.9	24.8	80.1	18560

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

35010 WIESBADEN AB GERMANY  
STATION STATION NAME

45-70  
PERIOD

101  
NO. OF

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (IST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	100.0	100.0	99.2	95.6	77.6	35.4	54.6	2237
	03-05	100.0	100.0	100.0	100.0	99.8	99.2	95.6	79.5	40.7	87.3	2226
	06-08	100.0	100.0	100.0	100.0	99.9	99.2	95.0	79.5	41.4	87.4	2224
	09-11	100.0	100.0	100.0	100.0	99.6	98.3	91.7	70.4	30.9	84.9	2232
	12-14	100.0	100.0	100.0	99.7	99.1	94.7	75.3	47.4	16.9	79.3	2234
	15-17	100.0	100.0	100.0	99.8	99.1	94.5	80.9	48.2	16.3	79.5	2235
	18-20	100.0	100.0	100.0	99.9	99.5	98.4	91.3	66.2	24.3	83.6	2240
	21-23	100.0	100.0	100.0	100.0	99.6	98.7	94.2	74.2	31.4	85.5	2237
TOTALS		100.0	100.0	100.0	99.9	99.6	97.8	90.5	67.9	29.8	84.3	17855

### RELATIVE HUMIDITY

DEC  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	30-02	100.0	100.0	100.0	100.0	100.0	99.4	93.2	73.3	34.3	85.7	2318
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	93.7	72.6	36.8	86.0	2316
	06-08	100.0	100.0	100.0	100.0	100.0	99.5	93.8	75.4	36.7	86.2	2314
	09-11	100.0	100.0	100.0	100.0	100.0	98.8	90.7	68.6	31.0	84.8	2318
	12-14	100.0	100.0	100.0	100.0	99.5	95.2	82.8	56.1	23.4	81.5	2324
	15-17	100.0	100.0	100.0	100.0	99.4	96.7	84.0	58.0	24.3	81.9	2324
	18-20	100.0	100.0	100.0	100.0	99.9	98.7	90.2	66.0	27.7	84.0	2325
	21-23	100.0	100.0	100.0	100.0	99.9	99.1	92.2	71.2	30.8	85.0	2320
TOTALS		100.0	100.0	100.0	100.0	99.8	98.5	90.1	67.7	30.6	84.4	18559

DAT PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEV I.E, NORTH CAROLINA

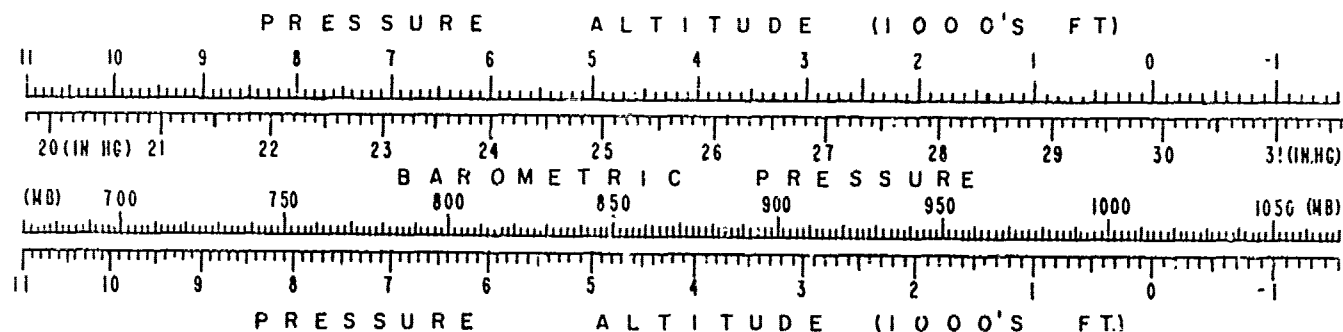
## PART F

## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.





DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

35010 WIESBADEN AB GERMANY

46-67

STATION		STATION NAME												YEARS
H'S IS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	1017.7	1016.9	1017.0	1015.3	1015.9	1016.5	1016.3	1015.5	1017.1	1018.3	1016.1	1015.7	1016.5
	S D	11.484	12.094	10.305	8.159	5.949	5.759	5.075	5.459	5.788	8.453	10.441	12.003	8.319
	TOTAL OBS	550	593	679	659	581	659	679	662	660	682	659	678	7961
04	MEAN	1017.6	1016.6	1016.6	1015.1	1015.8	1016.4	1016.1	1015.3	1016.9	1018.0	1016.9	1015.5	1016.3
	S D	11.497	12.133	10.392	8.192	5.956	5.808	5.131	5.373	5.919	8.500	10.519	12.037	8.864
	TOTAL OBS	650	593	681	659	682	660	680	682	660	682	659	679	7967
07	MEAN	1017.5	1016.7	1016.9	1015.5	1016.3	1016.8	1016.4	1015.7	1017.3	1018.3	1016.3	1015.4	1016.5
	S D	11.530	12.308	10.488	8.233	5.977	5.873	5.222	5.699	6.031	8.593	10.637	12.138	8.944
	TOTAL OBS	649	593	681	659	681	660	682	681	660	682	660	679	7967
10	MEAN	1018.2	1017.5	1017.4	1015.9	1016.5	1017.1	1016.6	1016.0	1017.8	1018.9	1016.5	1016.0	1017.0
	S D	11.580	12.397	10.517	8.312	6.003	5.824	3.226	5.728	6.092	8.622	10.725	12.192	8.992
	TOTAL OBS	648	592	681	659	682	660	682	682	660	682	660	677	7965
13	MEAN	1017.7	1017.0	1017.0	1015.2	1015.8	1016.5	1016.1	1015.5	1017.2	1018.3	1016.0	1015.6	1016.5
	S D	11.548	12.391	10.368	8.191	5.698	5.677	5.111	5.525	5.934	8.444	10.642	11.998	8.884
	TOTAL OBS	649	593	682	659	682	660	682	682	660	682	660	680	7971
16	MEAN	1017.3	1016.4	1016.0	1014.4	1015.1	1015.9	1015.4	1014.8	1016.4	1017.7	1015.7	1015.3	1015.9
	S D	11.465	12.242	10.220	8.075	5.812	5.595	4.980	5.401	5.832	8.266	10.506	11.863	8.766
	TOTAL OBS	649	591	681	660	682	659	681	682	660	681	659	679	7964
19	MEAN	1017.7	1016.5	1016.4	1014.8	1015.0	1015.7	1015.2	1014.8	1016.6	1018.2	1016.1	1015.7	1016.0
	S D	11.426	12.193	10.222	7.982	5.793	5.554	4.955	5.374	5.859	8.292	10.543	11.836	8.765
	TOTAL OBS	649	593	681	660	682	659	680	682	660	682	660	680	7966
22	MEAN	1018.0	1017.1	1016.9	1015.3	1015.7	1016.5	1016.0	1015.4	1017.2	1018.5	1016.5	1015.8	1016.6
	S D	11.434	12.207	10.269	8.103	5.870	5.872	4.948	5.471	5.911	8.401	10.361	11.828	8.752
	TOTAL OBS	649	593	679	659	682	659	681	661	660	681	660	679	7962
ALL HOURS	MEAN	1017.7	1016.9	1016.5	1015.1	1015.8	1016.4	1016.0	1015.4	1017.0	1018.3	1016.1	1015.6	1016.4
	S D	11.493	12.243	10.358	8.163	5.923	5.712	5.089	5.340	5.920	8.448	10.570	11.984	8.859
	TOTAL OBS	5193	4740	5447	5276	5434	5276	5447	5434	5280	5456	5377	5431	63723